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<400> 1061

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Val	Ala	Xaa	Val	Xaa	Val	Ser	Ser	Val	Ser	Arg	Leu	Leu	Xaa	Arg	Xaa
			20					25					30		

Xaa	Pro	Xaa	Leu	Gly	Arg	Ser	Met	Ser	Ser	Gly	Ala	His	Gly	Glu	Glu
		35					40					45			

Xaa	Ser	Xaa	Xaa	Met	Trp	Lys	Xaa	Leu	Thr	Phe	Phe	Val	Ala	Leu	Pro
	50					55				60					

Gly	Val	Xaa	Xaa	Xaa	Xaa	Leu	Xaa	Val	Tyr	Leu	Lys	Ser	His	His	Gly
65						70				75					80

Glu	His	Glu	Xaa	Pro	Glu	Phe	Ile	Val	Tyr	Pro	Tyr	Leu	Arg	Ile	Arg
				85					90					95	

Xaa	Lys	Xaa	Phe	Pro	Trp	Gly	Asp	Xaa	Xaa	His	Thr	Phe	Xaa	His	Asn
			100					105					110		

Pro	Tyr	Val	Xaa	Pro	Xaa	Pro	Leu	Xaa	Thr	Glu	Xaa	Tyr	Xaa	Glu	Xaa
		115					120					125			

Leu	Xaa	Ile	Thr	Gly	Xaa	Thr	Gly	Pro
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<210> 1062

<211> 61

<212> PRT

<213> Homo sapiens

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 1 5 10 15
 Cys Pro Trp Pro Ala Leu Met Thr Arg Trp Thr Val Ser Leu Arg Ala
 20 25 30
 Pro Xaa Leu Ala Gln Leu Ser Asp Val Ala Met His Ser Leu Gly Xaa
 35 40 45
 Ala Phe Ile Tyr Xaa Gln Thr Asp Asp Ile Xaa Asp Val

50

55

60

<210> 1063
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Thr Tyr Xaa Pro Xaa Ser Xaa Gly Ile Cys Arg Val Ser Leu Xaa Leu
 1 5 10 15

Pro Gln Gln Trp Xaa Thr Phe Ala Lys Ile Trp Tyr Ile Leu Asp Gly
 20 25 30

Lys Met Xaa Pro Pro Gly Lys Leu Ala Ala Met Xaa Ser Ile Arg Leu
 35 40 45

Xaa Gly Leu His Xaa Pro Ala Tyr His Ala Leu Thr Asp Cys Gly Asp
 50 55 60

His Val Cys Tyr
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<210> 1064

<211> 139

<212> PRT

<213> Homo sapiens

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Arg Asp Ile Glu Pro Gly Glu Glu Ile Ser Xaa Tyr Tyr Gly Asp Gly
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Phe Phe Gly Glu Asn Asn Glu Phe Cys Glu Cys Tyr Thr Cys Glu Arg
 20 25 30

Arg Gly Thr Gly Ala Phe Lys Ser Arg Val Gly Leu Pro Ala Pro Ala
 35 40 45

Pro Val Ile Asn Ser Lys Tyr Gly Leu Arg Glu Thr Asp Lys Arg Leu
 50 55 60

Asn Arg Leu Lys Lys Leu Gly Asp Ser Ser Lys Asn Ser Asp Ser Gln
 65 70 75 80

Ser Val Ser Ser Asn Thr Asp Ala Asp Thr Thr Gln Glu Lys Asn Asn
 85 90 95

Ala Thr Ser Asn Arg Lys Ser Ser Val Gly Val Lys Lys Asn Ser Lys

100	105	110
Ser Arg Thr Leu Thr Arg Gln Ser Met Ser Arg Ile Pro Ala Ser Ser		
115	120	125
Asn Ser Thr Ser Ser Lys Leu Asn Ser Tyr Lys		
130	135	

<210> 1065

<211> 78

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Gly Thr Cys His Xaa Xaa Pro Trp Gly Pro Met Glu Pro Xaa Lys Arg
1 5 10 15

Pro Trp Arg Leu Leu Met Asp Thr Phe Xaa Cys Lys Leu Leu Pro Trp
20 25 30

Gly Val Lys Val Xaa His His Pro Xaa Trp Xaa Leu Gln Asp Arg Val
35 40 45

Ser Glu Glu Thr Trp Val Xaa Trp Glu Lys Arg Gln Gln Xaa Ala Xaa
50 55 60

Gly Pro Thr Leu Ser Xaa Glu Leu Leu Gln Xaa Leu Arg Glu
65 70 75

<210> 1066

<211> 67

<212> PRT

<213> Homo sapiens

<400> 1066

Leu Glu Arg His His Leu Glu Phe Gly Lys Thr Leu Leu Arg Asp Glu
1 5 10 15

Ser Leu Asn Ile Phe Gln Asn Leu Asn Arg Arg Gln His Glu His Ala
20 25 30

Ile His Met Met Asp Ile Ala Ile Ile Ala Thr Asp Leu Ala Leu Tyr
35 40 45

Phe Lys Lys Arg Thr Met Phe Gln Lys Ile Val Asp Gln Ser Lys Thr
50 55 60

Tyr Glu Ser
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<210> 1067

<211> 98

<212> PRT

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<400> 1067

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1				5				10					15		

Gly	Lys	Tyr	Trp	Gly	Lys	Ser	Trp	Leu	Pro	Xaa	Asn	Tyr	Thr	Leu	Val
		20						25					30		

Asp	Met	Lys	Ile	Xaa	Phe	Gly	Val	Asp	Ile	Thr	Thr	Lys	Glu	Met	Val
		35						40				45			

Leu	Ala	Asp	Asp	Ser	Trp	Arg	Leu	Ala	Ile	Thr	Ser	Ile	Glu	Ala	Asn
	50					55					60				

Ser	Lys	Asp	Xaa	Xaa	Ser	Tyr	Trp	Xaa	Leu	Lys	Glu	Val	Thr	Pro	Glu
65					70				75						80

Gly	Leu	Xaa	Met	Val	Lys	Lys	Ser	Phe	Glu	Ala	Gly	His	Gly	Asp	Ser
				85					90					95	

Cys Leu

<210> 1068

<211> 167

<212> PRT

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Arg Leu Leu Val Leu Val Pro Pro Ser Lys Pro Glu Cys Gly Ile Glu
20 25 30
Gly Glu Thr Ile Ile Gly Asn Asn Ile Gln Leu Thr Cys Gln Ser Lys
35 40 45
Glu Gly Ser Pro Thr Pro Pro Val Gln Leu Glu Arg Ser Tyr Asn Ile

50 55 60
 Leu Asn Gln Xaa Xaa Pro Leu Ala Pro Pro Thr Ser Gly Ser Thr Cys
 65 70 75 80
 Ser Pro Leu Lys Asn Ile Ser His Arg Thr His Xaa Val Tyr Xaa Leu
 85 90 95
 Val Pro Pro Ser Asn Lys Xaa Gly Asn Xaa Phe Leu Gln Leu His Gly
 100 105 110
 Gly Leu Xaa Asn Leu Pro Pro Ile Xaa Phe Gly Pro Phe Phe Xaa Leu
 115 120 125
 Pro Gly Gly Val Phe Phe Phe Thr Pro Leu Ile Xaa Xaa Xaa Xaa Xaa
 130 135 140
 Leu Xaa Xaa Xaa Xaa Pro Gly Glu Arg Xaa Asn Pro Xaa Lys Lys Gly
 145 150 155 160
 Lys Pro Gly Thr Xaa Thr Leu
 165

<210> 1069

<211> 142

<212> PRT

<213> Homo sapiens

<400> 1069

Val Leu Pro Pro Leu Leu Ile Met Leu Val Ile Tyr Ile Lys Ile Phe
 1 5 10 15
 Leu Val Ala Cys Arg Gln Leu Gln Arg Thr Glu Leu Met Asp His Ser
 20 25 30
 Arg Thr Thr Leu Gln Arg Glu Ile His Ala Ala Lys Ser Leu Ala Met
 35 40 45
 Ile Val Gly Ile Phe Ala Leu Cys Trp Leu Pro Val His Ala Val Asn
 50 55 60
 Cys Val Thr Leu Phe Gln Pro Ala Gln Gly Lys Asn Lys Pro Lys Trp
 65 70 75 80
 Ala Met Asn Met Ala Ile Leu Leu Ser His Ala Asn Ser Val Val Asn
 85 90 95
 Pro Ile Val Tyr Ala Tyr Arg Asn Arg Asp Phe Arg Tyr Thr Phe His
 100 105 110

Lys Ile Ile Ser Arg Tyr Leu Leu Cys Gln Ala Asp Val Lys Ser Gly
115 120 125

Asn Gly Gln Ala Gly Val Gln Pro Ala Leu Gly Val Gly Leu
130 135 140

<210> 1070

<211> 44

<212> PRT

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<400> 1070

Ala	Glu	Arg	Lys	Ala	Leu	Leu	Leu	Gln	Gly	Ser	Asn	Glu	Ile	Xaa	Ile
1				5				10						15	

Arg	Ala	Arg	Gly	Gln	Xaa	Pro	Leu	Xaa	Leu	Gln	Xaa	His	Xaa	Arg	Trp
			20				25						30		

Leu	His	Xaa	Xaa	His	Arg	Xaa	Pro	Gly	Ala	Arg	Xaa
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<400> 1071

Met	Glu	Ala	Ala	Asp	Tyr	Arg	Xaa	Ala	Ser	Ser	Gln	Gln	Gly	Leu	Ala
1				5				10						15	

Tyr	Ala	Thr	Glu	Ala	Val	Tyr	Glu	Ser	Ala	Glu	Ala	Pro	Gly	His	Tyr
			20				25						30		

Pro Ala Glu Asp Ser Thr Tyr Asp Glu Tyr Glu Asn Asp Leu Gly Ile
35 40 45
Thr Ala Val Ala Leu Tyr Xaa Tyr Gln Ala Ala Gly Asp Asp Glu Ile
50 55 60
Ser Phe Xaa Pro Asp Asp Ile Ile Thr Asn Ile Glu Met Ile Xaa Asp
65 70 75 80
Gly Trp Trp Arg Gly Val Cys Lys Gly Arg Phe Arg Glu Leu Ala Phe
85 90 95

Ser

<210> 1072

<211> 76

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Pro Cys Lys Asp Ile Asn Thr Phe Xaa His Gly Asn Lys Arg Arg Phe
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Lys Xaa Ile Cys Glu Asn Lys Xaa Trp Lys Pro Leu Gln Gly Asn Leu
20 25 30

Arg Phe Xaa Xaa Val Phe Phe Phe Gln Xaa Thr Ile Trp Lys Val Xaa
35 40 45

Xaa Gly Val Ser Xaa Gly Xaa Xaa Xaa Thr Phe Pro Gly Xaa Xaa Xaa
50 55 60

Gly Leu Lys Xaa Xaa Phe Phe Phe Phe Xaa Lys Arg
65 70 75

<210> 1073

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<400> 1073

His	Lys	Gln	Phe	Ala	Ser	Leu	Glu	His	Gly	Ile	Val	Pro	Xaa	Thr	Ser
1				5					10					15	

Asp	Cys	Gln	Tyr	Leu	Phe	Pro	Ala	Lys	Val	Val	Ser	Arg	Leu	Val	Xaa
			20					25					30		

Trp	Val	Thr	Xaa	Ala	His	Glu	Asp	Tyr	Met	Glu	Leu	His	Phe	Thr	Lys
		35					40					45			

Asp	Ile	Val	Asp	Ala	Gly	Leu	Ala	Gly	Asp	Thr	Asn	Leu	Tyr	Tyr	Met
	50					55					60				

Ala	Leu	Ile	Glu	Arg	Gly	Thr	Ala	Lys	Leu	Gln	Ala	Ala	Val	Val	Leu
65					70					75					80

Asn	Pro	Gly	Tyr	Ser	Ser	Ile	Pro	Pro	Val	Phe	Xaa	Leu	Cys	Leu	Asn
				85					90					95	

Trp	Lys	Xaa	Glu	Lys	Thr	Asn	Ser	Asn	Xaa	Xaa	Asn	Ile	Xaa	Gly	His
			100					105						110	

Gly	Gly	Arg
		115

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<400> 1074
 Ser Ala His Xaa Cys Leu Ile Asn Ala Thr Ser Thr Xaa Thr Glu Phe
 1 5 10 15

Leu Lys Xaa Leu Val Leu Pro Xaa Ile Gly Ser Phe Thr Ile Ile Asp
 20 25 30

Gly Asn Gln Val Xaa Gly Gln Asn Xaa Gly Asn Asn Phe Phe Leu Gln
 35 40 45

Lys Ile Leu Ser Ala Xaa Thr Asp
 50 55

<210> 1075
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 Gly Thr Ser Glu Thr Pro Ala Gly Thr Ile Leu Tyr His Ala His Leu
 1 5 10 15

Asp Ile Glu Ala Phe Thr Met Asp Arg Glu Val Arg Lys Ile Lys Gln
 20 25 30

Gly Leu Gly Leu Lys Phe Ala Glu Xaa Val Tyr Thr Gly Phe Trp His
 35 40 45

Ser Pro Glu Cys Glu Phe Val Arg His Cys Ile Ala Lys Ser Gln Glu
 50 55 60

Arg Val Glu Gly Lys Val Gln Val Ser Val Leu Lys Gly Gln Val Tyr
 65 70 75 80

Ile Leu Gly Arg Glu Ser Pro Leu Ser Leu Tyr Asn Glu Glu Leu Val
 85 90 95

Ser Met Asp Glu Asn Leu Met His Ile Ser Tyr Xaa Ala Gly Ile Leu
 100 105 110

Glu Xaa Pro Lys Asn Gln Ala Leu Xaa Val Leu Asn Glu Asp Pro Xaa
 115 120 125

Pro Ser Gln Ser Pro Asn Asn Pro Asp Ile Ser Glu Ile Glu Phe Lys
 130 135 140

Lys Gly
 145

<210> 1076

<211> 130

<212> PRT

<213> Homo sapiens

<400> 1076

Trp Ile Pro Arg Ala Ala Gly Arg His Val Gly Val Cys Gly Ser Gly
 1 5 10 15

Gly Arg Cys Ser Gly Leu Arg Gly Leu Ala Glu Thr His Pro Phe Ser
 20 25 30

Val Ala Ala Pro Ser Ser Ala Leu Thr Ala Gly Arg Pro Thr Ala Val
 35 40 45

His Pro Gly Glu Ser Thr Val Arg Thr Ile Ala Met Asp Gly Thr Glu
 50 55 60

Gly Leu Val Arg Gly Gln Lys Val Leu Asp Ser Gly Ala Pro Ile Lys
 65 70 75 80

Ile Pro Val Gly Pro Glu Thr Leu Gly Arg Ile Met Asn Val Ile Gly
 85 90 95

Glu Pro Ile Asp Glu Arg Gly Pro Ile Lys Thr Lys Gln Phe Ala Pro
 100 105 110

Ile His Ala Glu Ala Pro Glu Phe Met Glu Met Ser Val Glu Gln Glu
 115 120 125

Ile Leu
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<210> 1077

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1077

Gly Gln Gly Gln Asp Gly Ala Thr Gly Ala Gly Leu Ser Ala His Gln
1 5 10 15

Asp Tyr Leu Lys Pro Arg Ala Glu Glu Glu Arg Arg Ile Ala Ala Glu
20 25 30

Glu Lys Lys Lys Gln Asp Glu Leu Lys Arg Ile Ala Arg Glu Leu Ala
35 40 45

Glu Asp Asp Ser Ile Leu Lys
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<210> 1078

<211> 71

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Glu Arg Gln Arg Arg Gly Leu His Val Gln Arg Leu Ser Gly His Leu
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Arg Val Gln Asp Tyr Asn Ser Arg Gln Gly Ala Gln Asn Asp Arg Pro
20 25 30

Arg Gln Arg Arg Leu Thr Arg Ile Ser Met Ile Leu Xaa Arg Leu Xaa
35 40 45

Arg Phe Ser Ser Val Ile Arg Ser Ala Val Ser Val His Leu Arg Arg
50 55 60

Asn Ile Gly Val Thr Ala Val
65 70

<210> 1079
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<400> 1079

Xaa Gly Ala Val Ile Ile Xaa Phe Arg Ser Lys Ile Lys Xaa Ala Leu
1 5 10 15

Ala His Phe Leu Ser Lys Xaa Thr Pro Thr Pro Leu Ile Pro Ile Leu
20 25 30

Val Ile Met Xaa Asn Xaa Ile Leu Leu Xaa Xaa Pro Ile Ala Leu Gly
35 40 45

Val Ser Leu Ile Ala Tyr Ile Thr Xaa Gly His Xaa Leu Met His Leu
50 55 60

Ile Gly Xaa Val Pro Tyr Asn Ile Asn His
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<400> 1080

Thr	Asp	Tyr	Gly	Xaa	Thr	Ala	Thr	Lys	Gln	Xaa	Val	Xaa	Ala	Gly	Thr
1				5				10					15		

Phe	Phe	Trp	Ser	Val	Val	Ile	Pro	Xaa	Leu	Arg	Arg	Ile	Leu	Thr	Ile
			20				25						30		

Leu	Gln	Trp	Leu	Thr	Xaa	Pro
			35			

<210> 1081

<211> 76

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<400> 1081

Gly	Arg	Xaa	Xaa	Lys	Val	Leu	Lys	Arg	Leu	Arg	Leu	Gln	Lys	Arg	Gly
1				5				10					15		

Thr	Gly	Gly	Val	Asp	Thr	Ala	Ala	Val	Gly	Gly	Val	Phe	Asp	Val	Ser
			20					25					30		

Asn	Ala	Asp	Arg	Leu	Gly	Phe	Ser	Glu	Val	Glu	Leu	Val	Gln	Met	Val
		35					40						45		

Val	Asp	Gly	Val	Lys	Leu	Leu	Ile	Glu	Met	Glu	Gln	Arg	Leu	Glu	Gln
	50					55					60				

Gly	Gln	Ala	Ile	Asp	Asp	Leu	Met	Pro	Ala	Gln	Lys
65						70				75	

<210> 1082

<211> 144

<212> PRT

<213> Homo sapiens

<400> 1082

Pro	Val	Thr	Asn	Glu	Gly	Ser	Arg	Asp	Trp	Thr	Asp	Ala	Ala	Met	Pro
1				5					10					15	
Leu	Arg	Leu	Asp	Ile	Lys	Arg	Lys	Leu	Thr	Ala	Arg	Ser	Asp	Arg	Val
			20					25					30		
Lys	Ser	Val	Asp	Leu	His	Pro	Thr	Glu	Pro	Trp	Met	Leu	Ala	Ser	Leu
		35					40					45			
Tyr	Asn	Gly	Ser	Val	Cys	Val	Trp	Asn	His	Glu	Thr	Gln	Thr	Leu	Val
	50					55					60				
Lys	Thr	Phe	Glu	Val	Cys	Asp	Leu	Pro	Val	Arg	Ala	Ala	Lys	Phe	Val
	65				70					75					80
Ala	Arg	Lys	Asn	Trp	Val	Val	Thr	Gly	Ala	Asp	Asp	Met	Gln	Ile	Arg
			85						90					95	
Val	Phe	Asn	Tyr	Asn	Thr	Leu	Glu	Arg	Val	His	Met	Phe	Glu	Ala	His
			100					105					110		
Ser	Asp	Tyr	Ile	Arg	Cys	Ile	Ala	Val	His	Pro	Thr	Gln	Pro	Phe	Ile
		115					120					125			
Leu	Thr	Ser	Ser	Asp	Asp	Met	Leu	Ile	Lys	Leu	Trp	Asp	Trp	Asp	Lys
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<210> 1083

<211> 120

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<400> 1083

Glu Met Xaa Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu
1 5 10 15

Ser Gly Leu Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser
20 25 30

Arg His Pro Ala Glu Asn Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val
35 40 45

Ser Gly Phe His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly
50 55 60

Glu Arg Ile Glu Lys Val Glu His Ser Asp Leu Xaa Phe Ser Lys Asp
65 70 75 80

Trp Xaa Phe Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys
85 90 95

Asp Glu Tyr Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys
100 105 110

Ile Val Lys Trp Asp Arg Asp Met
115 120

<210> 1084

<211> 149

<212> PRT

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<400> 1084

Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Thr Ala Ala Arg Arg
1 5 10 15

Xaa Gln Lys Gly Ile Pro Glu Ala Asp Ser Ile Arg Ala Glu Met Ser
20 25 30

Arg Ser Val Ala Leu Ala Val Leu Ala Leu Leu Ser Leu Ser Gly Leu
35 40 45

Glu Ala Ile Gln Arg Thr Pro Lys Ile Gln Val Tyr Ser Arg His Pro
50 55 60

Ala Glu Ser Gly Lys Ser Asn Phe Leu Asn Cys Tyr Val Ser Gly Phe
65 70 75 80

His Pro Ser Asp Ile Glu Val Asp Leu Leu Lys Asn Gly Glu Arg Ile
85 90 95

Glu Lys Val Glu His Ser Asp Leu Ser Phe Ser Lys Asp Trp Ser Phe
100 105 110

Tyr Leu Leu Tyr Tyr Thr Glu Phe Thr Pro Thr Glu Lys Asp Glu Tyr
115 120 125

Ala Cys Arg Val Asn His Val Thr Leu Ser Gln Pro Lys Ile Val Lys
130 135 140

Trp Asp Arg Asp Met
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<210> 1085

<211> 176

<212> PRT

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Glu Xaa Pro Gly Xaa Asp Xaa Thr Arg Pro Xaa Xaa Lys Phe Leu Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser
20 25 30

Lys Leu Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser
35 40 45

Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu
50 55 60

Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe
65 70 75 80

Ala Ser Trp Arg Asn Ser Xaa Xaa Ala Arg Thr Asp Arg Pro Ser Gln
85 90 95

Gln Leu Arg Xaa Leu Asn Gly Xaa Trp Asp Ala Pro Xaa Xaa Gly Ala
100 105 110

Leu Ser Ala Ala Xaa Glu Val Val Thr Xaa Ser Val Thr Ala Thr Leu
115 120 125

Ala Ser Ala Leu Ala Xaa Ala Pro Phe Ala Phe Phe Pro Xaa Phe Leu

130	135	140
Ala Xaa Phe Ala Gly Phe Pro Arg Gln Ala Leu Asn Arg Gly Leu Pro		
145	150	155 160
Leu Gly Phe Arg Phe Ser Ala Leu Arg Xaa Leu Arg Pro Gln Lys Xaa		
165	170	175

<210> 1086
 <211> 166
 <212> PRT
 <213> Homo sapiens

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<400> 1086
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 1 5 10 15

Arg Xaa Arg Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser
20 25 30

Ser Ser Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln
35 40 45

Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala
50 55 60

Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr
65 70 75 80

Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu Asn Gly Glu Trp Asp Ala
85 90 95

Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg Ser
100 105 110

Val Thr Val Thr Leu Ala Ser Ala Leu Ala Pro Xaa Pro Phe Ala Phe
115 120 125

Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Xaa
130 135 140

Asn Arg Gly Leu Pro Leu Gly Phe Arg Phe Ser Ala Leu Arg His Leu
145 150 155 160

Asp Pro Lys Lys Leu Asp
165

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<400> 1087

Pro	Thr	Arg	Pro	Pro	Thr	Arg	Pro	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
1				5					10					15		

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Lys	Gly	Ser	Lys
			20							25					30	

Leu	Thr	Tyr	Ala	Cys	Met	Gln	Xaa	His	Xaa	Ser	Pro	Ile	Val	Ser	Pro	
		35						40					45			

Lys	Phe	Asn	Xaa	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	
	50						55				60					

Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Ala	Xaa	His	Pro	Pro	Phe	Ala	
65					70					75					80	

Ser	Trp	Xaa	Xaa	Xaa	Xaa	Lys	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln	Gln	
				85					90						95	

Leu	Arg	Xaa	Leu	Asn	Gly	Lys	Trp	Asp	Ala	Pro	Cys	Tyr	Gly	Ala	Leu	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

100 105 110
Xaa Pro Xaa Gly Val Val Val Thr Pro Xaa Val Xaa Arg Tyr Thr Cys
115 120 125
Xaa Arg Pro Xaa Ala Arg Ser Phe Arg Phe Leu Pro Phe Leu Ser Arg
130 135 140
Gln Xaa Xaa Pro Xaa Phe Pro Val Xaa Leu
145 150

<210> 1088
<211> 166
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<400> 1088

Phe	Phe	Ile	Asn	His	Gly	Cys	Ser	Gln	Lys	Lys	Lys	Xaa	Lys	Xaa	Lys
1				5					10					15	

Lys	Lys	Lys	Lys	Lys	Gly	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr
			20					25					30		

Ala	Cys	Met	Xaa	Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn
		35					40					45			

Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val
	50					55					60				

Thr	Gln	Leu	Asn	Arg	Leu	Ala	Ala	His	Pro	Pro	Phe	Ala	Ser	Trp	Arg
65					70					75					80

Asn	Ser	Glu	Xaa	Ala	Arg	Thr	Asp	Arg	Pro	Ser	Gln	Gln	Leu	Arg	Ser
				85					90					95	

Leu	Asn	Gly	Glu	Trp	Asp	Ala	Pro	Cys	Ser	Gly	Ala	Leu	Ser	Ala	Ala
		100					105						110		

Gly	Val	Val	Val	Thr	Arg	Ser	Val	Thr	Xaa	Thr	Leu	Xaa	Ser	Ala	Leu
		115					120					125			

Thr	Pro	Xaa	Pro	Phe	Ala	Phe	Phe	Pro	Ser	Phe	Leu	Pro	Arg	Ser	Xaa
	130					135					140				

Gly	Phe	Pro	Ser	Ser	Ser	Lys	Ser	Gly	Ala	Pro	Leu	Arg	Val	Xaa	Ile
145					150					155				160	

Xaa	Gly	Phe	Thr	Gly	Pro
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<210> 1089

<211> 104

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<213> Homo sapiens

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Asn Lys Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Lys Leu
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Thr Tyr Ala Cys Met Xaa Arg His Ser Ser Ser Ile Val Ser Pro Lys
20 25 30

Phe Asn Ser Leu Gly Arg Arg Phe Thr Thr Ser Val Thr Gly Lys Thr
35 40 45

Leu Ala Leu Pro Asn Leu Ile Arg Leu Ala Ala His Pro Pro Phe Ala
50 55 60

Ser Trp Arg Asn Ser Glu Glu Ala Arg Xaa Asp Arg Pro Ser Gln Gln

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<210> 1090

<211> 129

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Lys Lys Lys Xaa Gly Gly Arg Xaa Xaa Gly Ser Lys Leu Thr Tyr Ala
 20 25 30

Cys Met Xaa Arg Xaa Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser
 35 40 45

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
 50 55 60

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
 65 70 75 80

Ser Glu Xaa Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Xaa Ser Leu

85

90

95

Asn Gly Xaa Trp Asp Ala Pro Cys Ser Gly Ala Leu Ser Ala Ala Gly
100 105 110

Val Xaa Val Thr Xaa Ser Xaa Thr Val Thr Leu Ala Ser Ala Leu Ala
115 120 125

Pro

<210> 1091

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Arg Glu Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser
20 25 30

Thr His Ala Ser Gly Xaa Xaa Xaa Xaa Gly Xaa Xaa Ser Xaa Xaa Xaa
35 40 45

Arg Lys Ile Val Gln Arg Gly Xaa Asn Glu Cys Gly Ser Arg Gly Xaa
50 55 60

Pro Xaa Ser Xaa Gly Xaa Xaa Ser Phe Gly Xaa Lys Lys Cys
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<210> 1092

<211> 77

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Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser
20 25 30

Xaa Ile Val Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg
35 40 45

Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala
50 55 60

Xaa Pro Pro Xaa Xaa Xaa Trp Xaa Ile Pro Lys Gly Pro
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Thr Phe Gln Asn Leu Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly
1 5 10 15

Ser Lys Leu Thr Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val
20 25 30

Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
35 40 45

Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Xaa Pro
50 55 60

Phe Ala Ala Gly Val Ile Xaa Lys Arg Pro Xaa Arg Ser Pro Phe Pro
65 70 75 80

Thr Val Ala Gln Pro Glu Trp Arg Met Gly Arg Ala Leu
85 90

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<400> 1094

Xaa Arg Pro Xaa Leu Glu Thr Pro Asp Tyr Arg Glu Ser Trp Tyr Ala
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Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala Arg
20 25 30

Leu Glu Ala Xaa Arg Arg Met Leu Gly Ile Ser Pro
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<400> 1095

Asn	Val	Pro	Cys	Lys	Tyr	Lys	His	Ile	Leu	Ser	Glu	Lys	Lys	Xaa	Lys
1				5					10					15	

Lys	Gly	Gly	Arg	Ser	Xaa	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Arg
			20					25					30		

Arg	His	Ser	Ser	Ser	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val
		35					40					45			

Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Lys	Pro	Trp	Ala	Leu	Pro	Asn	Leu
	50					55					60				

Xaa	Xaa	Xaa	Cys	Xaa
65				

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Gly Xaa Xaa Ser Thr Val Xaa Ile Pro Gly Ser Arg Asp Pro Ser Leu
1 5 10 15

Arg Thr Xaa His Ala Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Xaa Xaa
35 40 45

<210> 1097
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Lys	Xaa	Xaa	Lys	Xaa	Gly	Gly	Arg	Ser	Arg	Gly	Ser	Lys	Leu	Thr	Tyr
1				5						10				15	

Ala	Xaa	Met	Arg	Arg	His	Ser	Ser	Ser	Ile	Gly	Ser	Pro	Lys	Phe	Asn
			20					25					30		

Ser	Leu	Ala	Val	Val	Leu	Gln	Arg	Xaa	Asp	Trp	Glu	Asn	Pro	Gly
		35					40					45		

<210> 1098

<211> 48

<212> PRT

<213> Homo sapiens

<400> 1098

Ser	Glu	Thr	Pro	Ser	Gln	Lys	Lys	Lys	Lys	Lys	Thr	Arg	Gly	Gly	Ala
1					5					10				15	

Arg	Tyr	Pro	Ile	Arg	Pro	Ile	Val	Ser	Arg	Ile	Thr	Ile	Pro	Leu	Ala
			20					25					30		

Val	Val	Leu	Gln	Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Arg	Tyr	Pro	Thr
		35					40					45			

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Met Leu Asn Tyr Phe Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys

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Gly Gly Xaa Ser Xaa Gly Ser Lys Leu Thr Tyr Xaa Cys Met Gln Xaa

20

25

30

Xaa Xaa Ser Ser Ile Val Ser Pro Lys Phe Asn Xaa Leu Ala Val Asp

35

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Xaa Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg

50

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Leu Ala Ala His Pro Pro Xaa

65

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<210> 1101

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Pro Val Ser Arg Arg Ser Xaa Xaa Xaa Lys Lys Xaa Xaa Lys Lys Asn
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Ser Lys Ser Phe Ser Xaa Val Leu Leu Xaa Arg Pro Arg Ala His Xaa
20 25 30

Phe Ser Thr Arg Val Gly Tyr Gln Val Ser Val Pro Asn Ser Pro Tyr
35 40 45

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Xaa Asp
50 55 60

Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro
65 70 75 80

Pro Phe Ala Ser Trp Arg Asn Xaa Glu Lys Gly Arg Xaa Asp Arg Pro
85 90 95

Ser Gln Gln Phe Ala Xaa Pro Glu Met Ala Asn Gly Asn Gln Phe Leu
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Xaa Val

<210> 1102

<211> 152

<212> PRT

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1				5					10					15	

Arg	Ser	Lys	Gly	Ser	Lys	Leu	Thr	Tyr	Ala	Cys	Met	Xaa	Arg	His	Xaa
		20					25						30		

Ser	Ala	Ile	Val	Ser	Pro	Lys	Phe	Asn	Ser	Leu	Ala	Val	Val	Leu	Gln
		35					40					45			

Arg	Arg	Asp	Trp	Glu	Asn	Pro	Gly	Val	Thr	Gln	Leu	Asn	Arg	Leu	Ala
	50					55					60				

Xaa	His	Pro	Pro	Phe	Ala	Arg	Trp	Arg	Asn	Ser	Xaa	Lys	Ala	Arg	Xaa
65					70					75				80	

Asp	Arg	Pro	Ser	Gln	Gln	Leu	Xaa	Xaa	Leu	Asn	Gly	Xaa	Xaa	Xaa	Ala
				85					90					95	

Pro	Cys	Xaa	Gly	Ala	Leu	Ser	Ala	Ala	Gly	Val	Val	Val	Thr	Xaa	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100 105 110
Val Thr Ala Xaa Leu Xaa Xaa Ala Leu Ala Pro Gly Pro Phe Xaa Phe
115 120 125
Phe Pro Ser Phe Leu Ala Thr Phe Ala Gly Phe Pro Arg Gln Ala Leu
130 135 140
Asn Arg Gly Val Pro Phe Xaa Val
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<210> 1103
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Ile Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly
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Gly Arg Ser Xaa Gly Ser Lys Leu Thr Tyr Ala Cys Met Xaa Arg His
20 25 30

Ser Ser Ser Ile Xaa Ser Pro Lys Phe Asn Ser Leu Ala Val Val Leu
35 40 45

Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu
50 55 60

Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Lys Ala Arg
65 70 75 80

Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Asp
85 90 95

Ala Pro Cys Xaa Gly Ala Leu Ser Ala Ala Gly Val Val Val Thr Arg
100 105 110

Ser Val Thr Val Thr Leu Ala Ser Ala Leu Xaa Pro Ala Pro Phe Val
115 120 125

Ser Ser Leu Xaa Phe Ser Xaa Arg Ser Pro Val Ser Pro Leu Xaa
130 135 140

<210> 1104

<211> 93

<212> PRT

<213> Homo sapiens

<400> 1104

Arg Lys Lys Lys Lys Lys Gly Gly Arg Ser Arg Gly Ser Lys Leu Thr
1 5 10 15

Tyr Ala Cys Met Arg Arg His Ser Ser Ser Ile Val Ser Pro Lys Phe
20 25 30

Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly
35 40 45

Val Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp
50 55 60

Arg Asn Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg
65 70 75 80

Ser Leu Asn Gly Glu Trp Asp Ala Pro Cys Thr Ala His
85 90

<210> 1105

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1105

Ile Arg Gln Arg Tyr Ser Trp Leu Ile Asn Gly Thr Phe Gln Gln Ser
1 5 10 15

Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Ser Gly Ser
20 25 30

Tyr Thr Cys His Ala Asn Asn Ser Val Thr Gly Cys Asn Arg Ala Thr
35 40 45

Val Lys Thr Met His Ser His
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<210> 1106

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Pro Trp His Val Phe Cys Ile Ser Gly Arg Pro Ala Ala Gln Asp His
1 5 10 15

Ser Asn Asp Pro Pro Asn Lys Met Asn Glu Val Thr Tyr Xaa Thr Leu
20 25 30

Asn Phe Glu Xaa Xaa Gln Pro Thr Gln Pro Thr Ser Ala Ser Pro Ser
35 40 45

Leu Thr Ala Thr Glu Xaa Ile Tyr Ser Arg Ser Lys Lys Xaa Val Met
50 55 60

Lys Pro Gly Pro Ala Xaa Cys Ser Ala
65 70

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Asp Pro Gln Phe Pro Lys Val Gln Trp Pro Pro Arg Glu Leu Cys Ser
20 25 30

Ala Cys His Asn Glu Arg Leu Asp Val Pro Val Trp Asp Val Glu Ala
35 40 45

Thr Leu Asn Phe Leu Lys Ala His Phe Ser Pro Ser Asn Ile Ile Leu
50 55 60

Asp Phe Pro Ala Ala Gly Ser Thr Cys Pro Arg Asp Val Gln Asn Val
65 70 75 80

Ala Ser Arg Pro Lys Leu Ala Met Gly Ala Leu Glu Leu Glu Ser Arg
85 90 95

Asn Ser Thr Leu Asp Pro Gly Lys Pro Glu Met Met Lys Ser Pro Thr
100 105 110

Asn Thr Thr Pro His Val Pro Ala Xaa Gly Pro Glu Ala Ser Arg Pro
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Pro Lys Leu Ala Pro Trp Pro Lys Thr
130 135

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<400> 1108
Gln Tyr Lys Gly Ser Trp Pro Ala Leu Gln Leu Gln His Leu Pro His
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Pro Glu Trp Glu Ser Gly Gly Ala Thr Cys Trp Ala Pro Pro Glu Leu
20 25 30

Cys Thr His Leu Ala Met Tyr
35

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<211> 31
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<400> 1109
Ala Asp Phe Asp Arg Phe Lys Val Met Lys Ala Lys Lys Met Arg Asn
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Arg Ile Ile Lys Asn Glu Leu Arg Ser Phe Lys Arg Gln Leu Ser
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Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Xaa Gly Pro
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Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Xaa Gln Ser
20 25 30

Pro Val Asp Ile Xaa Xaa Ser Glu Thr Lys His Asp Thr Ser Leu Xaa
35 40 45

Pro Ile Ser Val Ser Tyr Asn Pro Xaa Thr Xaa Lys Glu Ile Xaa Gln
50 55 60

Cys Gly Gly Ile Pro Ser Met
65 70

<210> 1111

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1111

Lys Ile Met Ala Ser Pro Asp Trp Gly Tyr Asp Asp Lys Asn Gly Pro
1 5 10 15

Glu Gln Trp Ser Lys Leu Tyr Pro Ile Ala Asn Gly Asn Asn Gln Ser
20 25 30

Pro Val Asp Ile Lys Thr Ser Glu Thr Lys His Asp Thr Ser Leu Lys
35 40 45

Pro Ile Ser Val Ser Tyr Asn Pro Ala Thr Ala Lys Glu Ile Ile Asn
50 55 60

Val Gly His Ser Phe His Val Asn Phe Glu Asp Asn Asp Xaa Arg Ser
65 70 75 80

Ser Ala Glu Arg Trp Ser Phe Leu
85

<210> 1112

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1112

Gly Ala Asp Ser Cys Pro Ala Pro Thr Ala Xaa Arg Thr Xaa Ser His
1 5 10 15

Xaa Trp Gly Tyr Gly Lys His Asn Gly Pro Lys His Trp His Lys Asp
20 25 30

Phe Pro Ile Ala Lys Gly Arg Ala Pro Val Pro Leu Leu Xaa Ser Thr
35 40 45

Leu His Thr Ala Lys Xaa Glu Pro Phe Xaa Glu Ser Pro Cys Leu Phe

50 55 60
 Pro Met Asn Gln Ala Thr Ser Leu Arg Ile Leu Asn Asn Gly His Ala
 65 70 75 80
 Phe Asn Val Gly Val Xaa Met Thr Leu Xaa Asp Lys Ala Val Leu Gln
 85 90 95
 Gly Lys Asp Pro Trp Val Gly His Phe Thr Asp Trp Phe Ser Phe Phe
 100 105 110
 Gln Phe Ser Met Gly Val Ser Ile
 115 120

<210> 1113

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1113

Met Leu Leu Glu Asn Lys Ala Ser Ile Phe Gly Gly Gly Leu Pro Ala
 1 5 10 15

Pro Tyr Gln Val Lys Xaa Leu His Leu His Trp Ser Asp Leu Pro Tyr
 20 25 30

Lys Gly Ser Xaa His Ser Leu Glu Trp Gly Ala Leu Cys His Gly Arg
 35 40 45

Cys Thr
 50

<210> 1114

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114

Lys	Pro	Phe	Lys	Met	Ile	Pro	Gly	Val	Val	Asp	Gly	Val	Phe	Leu	Pro
1				5					10					15	

Arg	His	Pro	Gln	Xaa	Leu	Leu	Ala	Ser	Ala	Asp	Phe	Gln	Pro	Val	Pro
			20					25					30		

Xaa	Ile	Val	Gly	Val	Asn	Asn	Asn	Glu	Phe	Gly	Trp	Leu	Ile	Pro	Lys
		35					40					45			

Val	Met	Xaa	Ile	Tyr	Asp	Thr	Gln	Xaa	Glu	Met	Asp	Arg	Xaa	Ala	Ser
	50					55					60				

Xaa	Ala	Ala	Leu	Gln	Lys	Met	Leu	Thr	Leu	Leu	Ile	Cys	Leu	Leu	His
65					70					75					80

Leu	Val	Thr	Cys
-----	-----	-----	-----

<210> 1115
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1115
Cys Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn Arg Gly
1 5 10 15
Ser Xaa Xaa Cys Gln Ala His Asn Ser Thr Leu Ala Leu Ile Gly Ala
20 25 30
Gln Ser Arg Ile Ser Xaa Ser Met
35 40

<210> 1116
<211> 151
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116
Gly Thr Ala Glu Leu Thr Val Thr Ala Ala Leu Thr Arg Glu Phe Leu
1 5 10 15

Glu Pro Lys Leu Phe Ser Thr Glu Asp Lys Gln Ala Ala Glu Thr Met
20 25 30

Gly Ser Pro Ser Ala Cys Pro Tyr Arg Val Cys Ile Pro Trp Gln Gly
35 40 45

Leu Leu Leu Thr Ala Ser Leu Leu Thr Phe Trp Asn Leu Pro Asn Ser
50 55 60

Ala Gln Thr Asn Ile Asp Val Val Pro Phe Asn Val Ala Glu Gly Lys
65 70 75 80

Glu Val Leu Leu Val Val His Asn Glu Ser Gln Asn Leu Tyr Gly Tyr
85 90 95

Asn Trp Tyr Lys Gly Glu Arg Val His Ala Asn Tyr Arg Ile Ile Gly
100 105 110

Tyr Cys Lys Lys Tyr Lys Ser Arg Lys Cys Pro Arg Pro Asp Thr Thr
115 120 125

Ser Arg Asp Xaa Tyr Pro Met Glu Pro Cys Val Pro Xaa Val Pro His
130 135 140

Ala Gln Asp Phe Ser Ser Leu
145 150

<210> 1117

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Thr Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Arg Pro Gly Leu
20 25 30

Ala Arg Xaa Pro Arg Arg Gly Leu Glu Ala Arg Pro Gly Ala Pro Glu
35 40 45

Arg Glu Ser Glu Arg Arg Arg Gly Asp Gln Ile Asn Ala Ser Lys Asn
50 55 60

Glu Glu Asp Ala Gly Lys Met Phe Val Gly Gly Leu Ser Trp Asp Thr
65 70 75 80

Ser Lys Lys Asp Leu Lys Asp Tyr Phe Thr Lys Phe Gly Glu Val Val
85 90 95

Asp Cys Thr Ile Lys Met Asp Pro Asn Thr Gly Arg Ser Arg Gly Phe
100 105 110

Xaa Phe Ile
115

<210> 1118

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of th naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118

Arg Pro Thr Xaa Pro Gly Arg Thr Met Ala Arg Gly Ala Xaa Leu Xaa

1

5

10

15

Leu Leu Leu Xaa Gly Leu Leu Gly Val Leu Val Xaa Xaa Pro Asp Gly

20

25

30

Gly Phe Asp Leu Ser Asp Ala Leu Xaa Asp Asn Glu Asn Lys Lys Pro

35

40

45

Thr Ala

50

<210> 1119

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1119

Xaa Ser Glu Cys Lys S r Pro Ser Glu Pro Xaa Ile Xaa Lys Arg Val

1 5 10 15
 Gly Leu Ile His Ile Ser Gln Val Ile Ser Glu Ile Asp Gly Asn Arg
 20 25 30
 Met Thr Leu Ser Gln Glu Gly Ala Gln Asp Ser Phe Pro Leu Gln Gln
 35 40 45
 Lys Ile Leu Val Cys Ser Leu Met Leu Leu Ile Arg Gln Leu Lys Ile
 50 55 60
 Lys Glu Val Thr Leu Gly Lys Leu Tyr Glu Ala Tyr Ser Lys Val Cys
 65 70 75 80
 Arg Lys Gln Gln Val Ala Ala Val Asp Gln Ser Glu Cys Leu Xaa Leu
 85 90 95
 Ser Gly Leu Leu Glu Ala Arg Gly Ile Leu Gly Leu Lys Arg Asn Lys
 100 105 110
 Glu Thr Arg Leu Thr Lys Val Phe Phe Lys Ile Glu Glu Lys Glu Ile
 115 120 125
 Glu His Ala Leu Lys Asp Lys Ala Leu Ile Gly Asn Ile Leu Ala Thr
 130 135 140
 Gly Leu Pro
 145

<210> 1120
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1120
 His Glu Arg Asn Met Glu Arg Leu Thr Leu Ala Cys Gly Gly Val Ala
 1 5 10 15
 Leu Asn Ser Phe Glu Asp Leu Ser Pro Asp Cys Leu Gly His Ala Gly
 20 25 30
 Leu Val Tyr Glu Tyr Thr Leu Gly Glu Val His Leu Tyr
 35 40 45

<210> 1121
 <211> 67
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1121

Asn	Trp	Arg	Met	Arg	Met	Xaa	His	Val	Met	Leu	Pro	Lys	Asp	Ile	Ala
1				5					10					15	

Lys	Leu	Val	Pro	Lys	Thr	His	Leu	Met	Ser	Glu	Ser	Glu	Trp	Arg	Asn
		20						25						30	

Leu	Gly	Val	Gln	Gln	Ser	Gln	Gly	Trp	Val	His	Tyr	Met	Ile	His	Glu
		35					40					45			

Pro	Glu	Pro	Xaa	Xaa	Leu	Leu	Phe	Arg	Gly	His	Xaa	Gln	Glu	Pro	Arg
	50					55					60				

Asn	Xaa	Val
65		

<210> 1122

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1122

Ser	Cys	Cys	Leu	Gly	Trp	Thr	Trp	Phe	Cys	Leu	Leu	Xaa	Pro	Leu	Leu
1				5				10				15			

Xaa	Leu	Xaa	Xaa	Asn	Xaa	Xaa	Gln	Xaa	Ala	Ser	Xaa	Met	Val	His	Lys
			20				25						30		

Gln	Ile	Tyr	Tyr	Ser	Asp	Lys	Tyr	Xaa	Xaa	Glu	His	Tyr	Glu	Xaa	Arg
		35				40						45			

Asp	Gly	Met	Leu	Pro	Arg	Glu	Leu	Asp	Lys	Gln	Xaa	Pro	Lys	Thr	Xaa
	50					55					60				

<210> 1123

<211> 155

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1123

Gln Leu Val Gly Pro Pro Gly Leu Gln Xaa Phe Gly Ser Xaa Xaa Lys
 1 5 10 15

Pro Tyr Gly Val Thr Ala Met Cys Trp Asn Trp Glu Gln Val Xaa Ala
 20 25 30

Ala Gly Arg His Pro Glu Ser Arg Pro Phe Arg Phe Thr Gly Ala Ala
 35 40 45

Thr Ser Pro Arg Ser Ser Cys Ser Arg Ala Cys Ile Val Lys Val Val
 50 55 60

Arg Arg Arg Leu Ala Glu Lys Arg Ile Gly Val Arg Asp Val Arg Leu
 65 70 75 80

Asn Gly Ser Ala Ala Ser His Val Leu His Gln Asp Ser Gly Leu Gly
 85 90 95

Tyr Lys Asp Leu Asp Leu Ile Phe Cys Ala Asp Leu Arg Gly Glu Gly
 100 105 110

Glu Phe Gln Thr Val Lys Asp Val Val Leu Asp Cys Leu Leu Asp Phe
 115 120 125

Leu Pro Glu Gly Val Asn Lys Glu Lys Ile Thr Pro Leu Thr Xaa Lys
 130 135 140

Glu Ala Tyr Val Gln Lys Met Val Lys Val Cys
 145 150 155

<210> 1124

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1124

Ala	Lys	Ser	Phe	Glu	Tyr	Xaa	Ala	Arg	Ile	Phe	Lys	Gln	His	Phe	Met
1				5					10					15	

Asp	Ser	Arg	Ile	Pro	Cys	Leu	Ile	Val	Ala	Ala	Lys	Ser	Asp	Leu	His
			20					25					30		

Glu	Val	Lys	Gln	Glu	Tyr	Ser	Ile	Ser	Pro	Thr	Asp	Phe	Cys	Arg	Lys
		35					40					45			

His	Lys	Met	Pro	Pro	Pro	Gln	Ala	Phe	Thr	Cys	Asn	Thr	Ala	Asp	Ala
	50					55				60					

Pro	Ser	Lys	Asp	Ile	Phe	Gly	Lys	Leu	Thr	Thr	Met	Ala	Met	Tyr	Pro
65					70					75				80	

His	Ala	Arg	Leu	Arg	Cys	Xaa	Cys	Thr	Cys	Asn	Arg	Cys	Thr	Phe	Cys
			85					90						95	

Xaa	Cys	Xaa	Asn	Phe	Leu	Asn	Leu	Tyr	Phe	Ala	Ala	Asn	Xaa	Val	Lys
			100					105					110		

Glu	Gln	Lys	Ser	Phe
				115

<210> 1125

<211> 169

1244

<212> PRT

<213> Homo sapiens

<400> 1125

Ile Met Lys Leu Leu Thr Arg Ala Gly Ser Phe Ser Arg Phe Tyr Ser
 1 5 10 15

Leu Lys Val Ala Pro Lys Val Lys Ala Thr Ala Ala Pro Ala Gly Ala
 20 25 30

Pro Pro Gln Pro Gln Asp Leu Glu Phe Thr Lys Leu Pro Asn Gly Leu
 35 40 45

Val Ile Ala Ser Leu Glu Asn Tyr Ser Pro Val Ser Arg Ile Gly Leu
 50 55 60

Phe Ile Lys Ala Gly Ser Arg Tyr Glu Asp Phe Ser Asn Leu Gly Thr
 65 70 75 80

Thr His Leu Leu Arg Leu Thr Ser Ser Leu Thr Thr Lys Gly Ala Ser
 85 90 95

Ser Phe Lys Ile Thr Arg Gly Ile Glu Ala Val Gly Gly Lys Leu Ser
 100 105 110

Val Thr Ala Thr Arg Glu Asn Met Ala Tyr Thr Val Glu Cys Leu Arg
 115 120 125

Gly Asp Val Asp Ile Leu Met Glu Phe Leu Leu Asn Val Thr Thr Ala
 130 135 140

Pro Glu Phe Arg Arg Trp Glu Val Ala Asp Leu Gln Pro Gln Leu Lys
 145 150 155 160

Ile Asp Lys Ala Val Ala Phe Gln Asn
 165

<210> 1126

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1126

Pro Pro Val Val His Lys Asn Pro Ile His Ile Lys Thr Pro Ser Pro
 1 5 10 15

Cys Leu Gln Ala Ser Thr Ala Ile Asn Pro Gln Leu Ser His Ile Asn
 20 25 30

Cys Asn Ser Lys Ala Thr Pro His Pro Leu Gly Tyr Gln Gln Thr Tyr
 35 40 45

Pro Pro Leu Thr Val His Ser Thr
 50 55

<210> 1127

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1127

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
 1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Gly Gly Cys Val
 20 25 30

Leu Gly Lys Ala Gly Gly Xaa Gly Gly Arg Leu Phe Tyr Gly Ser Arg
 35 40 45

Asp Arg Pro Val Leu Leu Pro Phe Pro Pro Ser Leu Pro Pro Leu Ser
 50 55 60

Arg Arg Gly Ala Ala Ala Ala Leu Asp Phe Ala Val Phe Pro Arg Gly
 65 70 75 80

Asp Arg Phe Gln His Tyr Thr Cys Thr Met Ser Leu Lys Pro Arg Val
 85 90 95

Val Asp Phe Asp Glu Thr Trp Asn Lys Leu Leu Thr Thr Ile Lys Ala
 100 105 110

Val Val Met Leu Glu Tyr Val Glu Arg Ala Thr Trp Asn Asp Arg Phe
 115 120 125

Ser Asp Ile Tyr Ala Leu Cys Val Ala Tyr Pro Glu Pro Leu Gly Glu
 130 135 140

Arg Leu Tyr Thr Glu Thr Lys Ile Phe Leu Glu Asn His Val Arg His
 145 150 155 160

Leu His Lys Arg Val Leu Glu Ser Glu Glu Gln Val Leu Val Met Tyr
 165 170 175

His Arg Tyr Trp Glu Glu Tyr Ser Lys Gly Ala Asp Tyr Met Asp Cys
 180 185 190

Leu Tyr Arg
 195

<210> 1128

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (122)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1128

Ser Ile Ile Asp Arg Phe Met Gln Asn Asn Cys Val Pro Lys Lys Met
 1 5 10 15

Leu Gln Leu Val Gly Val Thr Ala Met Phe Ile Ala Ser Lys Tyr Glu
 20 25 30

Glu Met Tyr Pro Pro Glu Ile Gly Asp Phe Ala Phe Val Thr Asp Asn
 35 40 45

Thr Tyr Thr Lys His Gln Ile Arg Gln Met Glu Met Lys Ile Leu Arg
 50 55 60

Ala Leu Asn Phe Gly Leu Gly Arg Pro Leu Pro Leu His Phe Leu Arg
 65 70 75 80

Arg Ala Ser Lys Ile Gly Glu Val Asp Val Glu Gln His Thr Leu Ala
 85 90 95

Lys Tyr Leu Met Glu Leu Thr Met Leu Asp Tyr Asp Met Val His Phe
 100 105 110

Pro Pro Ser Xaa Ile Ala Ala Gly Ala Xaa Cys Leu Ala Leu Lys Ile
 115 120 125

Leu Gly
 130

<210> 1129
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1129
Gly Asp Glu Glu Ala Cys Pro Glu Asp Lys Gly Pro Gln Asp Pro Gln
1 5 10 15
Ala Leu Ala Leu Asp Thr Gln Ile Pro Ala Thr Pro Gly Pro Lys Pro
20 25 30
Leu Val Arg Thr Ser Arg Glu Pro Gly Lys Asp Val Thr Thr Ser Gly
35 40 45
Tyr Ser Ser Val Ser Thr Ala Ser Pro Thr Ser Ser Val Asp Gly Gly
50 55 60
Leu Gly Ala Leu Pro Gln Pro Thr Ser Val Leu Ser Leu Asp Ser Asp
65 70 75 80
Ser His Thr Gln Pro Cys His His Gln Xaa Arg Lys Ser Cys Leu Gln
85 90 95
Cys Arg Pro Pro Ser Pro Pro Glu Ser Ser Val Pro Gln Gln Gln Val
100 105 110
Lys Arg Ile Asn Tyr Ala Tyr Thr Val Lys Arg Arg Thr
115 120 125

<210> 1130
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130

Xaa Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Gln Ile Pro Ser
1 5 10 15
Val Ala Ala Lys Met Met Cys Gly Ala Pro Ser Ala Thr Gln Pro Ala
20 25 30
Thr Ala Glu Thr Gln His Ile Ala Asp Gln Val Arg Ser Gln Leu Glu
35 40 45
Glu Lys Glu Asn Lys Lys Phe Pro Val Phe Lys Ala Val Ser Phe Lys
50 55 60
Ser Gln Val Val Ala Gly Thr Asn Tyr Phe Ile Lys Val His Val Gly
65 70 75 80
Asp Glu Asp Phe Val His Leu Arg Val Phe Gln Ser Leu Pro His Glu
85 90 95
Asn Lys Pro Leu Thr Leu Ser Asn Tyr Gln Thr Asn Lys Ala Lys His
100 105 110
Asp Glu Leu Thr Tyr Phe
115

<210> 1131

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1131

Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15
Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30
Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45
Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu
50 55 60

<210> 1132

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1132

Ala Arg Ala His Lys Glu Ile Tyr Pro Tyr Val Ile Gln Glu Leu Arg
1 5 10 15

Pro Thr Leu Asn Glu Leu Gly Ile Ser Thr Pro Glu Glu Leu Gly Leu
20 25 30

Asp Lys Val
35

<210> 1133

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1133

Pro Tyr Thr Asn Asp Gly Ala Met Xaa His Glu Glu Ser Thr Tyr Gln
1 5 10 15

Gly His His Thr Pro Pro Val Gln Lys Xaa Leu Arg Tyr Gly Ile Ile
20 25 30

Leu Phe Ile Thr Ser Glu Val Phe Phe Phe Ala Gly Phe Ser Glu Leu
35 40 45

Leu His Ser Ser Leu Ala Leu Pro Pro Thr Lys Lys Xaa Leu Ala Pro

50

55

60

Thr Xaa Ile Thr Arg
65

<210> 1134

<211> 64

<212> PRT

<213> Homo sapiens

<400> 1134

Ala Val Pro Thr Leu Gly Leu Lys Thr Asp Ala Ile Pro Gly Arg Leu
1 5 10 15

Asn Gln Thr Thr Phe Thr Ala Thr Arg Pro Gly Val Tyr Tyr Gly Gln
20 25 30

Cys Ser Glu Ile Cys Gly Ala Asn His Ser Phe Met Pro Ile Val Leu
35 40 45

Glu Leu Ile Pro Leu Lys Ile Phe Glu Ile Gly Pro Val Phe Thr Leu
50 55 60

<210> 1135

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135

Thr Tyr Xaa Val His Arg Leu Arg Arg Thr Asn Leu Gln Leu Leu His
1 5 10 15

Thr Ser Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val
20 25 30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile
35 40 45

Thr Ser Gln Asp Val Leu His Ser

50

55

<210> 1136

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1136

Ala Gln Val Gly Leu Gln Asp Ala Thr Ser Pro Ile Ile Glu Glu Leu

1

5

10

15

Ile Thr Phe His Asp His Ala Leu Ile Ile Ile Phe Leu Ile Cys Phe

20

25

30

Leu Val Leu Tyr Ala Leu Phe Leu Thr Leu Thr Thr Lys Leu Thr Asn

35

40

45

Thr Asn Ile Ser Asp Ala Gln Glu Ile Glu Thr Val

50

55

60

<210> 1137

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1137

Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr Ile

1

5

10

15

Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu Leu Asp Val

20

25

30

Asp Asn Arg Val Val Leu Pro Ile Glu Ala Pro Ile Arg Ile Ile Ile

35

40

45

Asn

<210> 1138

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1138

Ala	Val	Pro	Thr	Leu	Gly	Leu	Lys	Thr	Asp	Ala	Ile	Pro	Gly	Arg	Leu
1				5				10					15		

Asn	Gln	Thr	Thr	Phe	Thr	Ala	Thr	Arg	Pro	Gly	Val	Tyr	Tyr	Gly	Gln
		20						25					30		

Cys	Ser	Glu	Ile	Cys	Gly	Ala	Asn	His	Ser	Phe	Met	Pro	Ile	Val	Leu
		35					40					45			

Glu	Leu	Ile	Pro	Leu	Lys	Ile	Phe	Gly	Asn	Arg	Ala	Arg	Ile	Tyr	Pro
	50					55					60				

Ile	Ala	Pro	Pro	Leu	Pro	Pro	Leu	Glu	Xaa	Lys	Lys	Lys	Lys	Xaa	Xaa
65					70					75					80

<210> 1139

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1139

Phe Glu Ala Asn Asp Pro Ser Leu Thr Ile Lys Ser Ile Gly His Gln
 1 5 10 15

Xaa Tyr Arg Thr Tyr Glu Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn
 20 25 30

Ser Tyr Ile Leu Pro Pro Leu Phe Leu Glu Pro Gly Asp Leu Arg Leu
 35 40 45

Leu Asp Xaa Asp Asn Arg Val Val Leu Pro Ile Glu Thr Pro Ile Arg
 50 55 60

Ile Ile Ile Thr Tyr Xaa Asp Val Leu His Ser
 65 70 75

<210> 1140

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140

His Xaa Pro Ser Leu Lys Gly Thr Lys Ala Gly Ala Pro Pro Arg Cys
 1 5 10 15

Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Thr
 20 25 30

Arg Glu Trp Arg Leu Pro Ser Leu Arg Arg Ala Thr Leu Trp Ile Pro
 35 40 45

Gln Trp Phe Ala Lys Lys Ala Ile Phe Asn Ser Pro Leu Glu Ala Ala
 50 55 60

Met Ala Phe Pro His Leu Gln Gln Pro Ser Phe Leu Leu Ala Ser Leu
 65 70 75 80

Lys Ala Asp Ser Ile Asn Lys Pro Phe Ala Gln Gln Cys Gln Asp Leu
 85 90 95

Val Lys Val Ile Glu Asp Phe Pro Ala Lys Ser Glu Pro Ile Arg Val

100 105 110
Leu Val Thr Gly Ala Ala Gly Gln Ile Ala Tyr Ser Leu Leu Tyr Ser
115 120 125
Ile Gly Asn Gly Ser Val Phe Gly Lys Asp Gln Met Ser Ser Gln Gln
130 135 140
Ile Lys Lys Thr Leu Pro Ser Lys Thr Trp Asp Val Ala Ile Leu Val
145 150 155 160
Gly Ser Met Pro Arg Arg Glu Gly Met Glu Arg Lys Asp Leu Leu Lys
165 170 175
Ala Asn Val Lys Ile Phe Lys Ser Gln Gly Ala Ala Leu Asp Lys Tyr
180 185 190
Gly Lys Lys Ser Val Lys Gly Tyr
195 200

<210> 1141

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141

His Glu Glu His Ser Ile Tyr Cys Thr Val Asn Asn Asp Glu Gly Glu
1 5 10 15

Trp Ser Gly Pro Pro Pro Glu Cys Arg Gly Lys Ser Leu Thr Ser Lys
20 25 30

Val Pro Pro Thr Val Gln Lys Pro Thr Thr Val Asn Val Pro Thr Thr
35 40 45

Glu Val Ser Pro Thr Ser Gln Lys Thr Thr Thr Lys Thr Thr Thr Pro
50 55 60

Asn Ala Gln Gly Thr Glu Thr Pro Ser Val Leu Gln Lys His Thr Thr
65 70 75 80

Glu Asn Val Ser Ala Thr Arg Thr Pro Pro Thr Pro Gln Lys Pro Thr
85 90 95

Thr Val Asn Val Pro Ala Thr Ile Val Thr Pro Thr Pro Gln Lys Pro
100 105 110

Thr Thr Leu Met Phe Gln Leu Gln Glu Ser Xaa Gln His Xaa Lys Xaa
115 120 125

His Leu Val Met Phe Gln Leu Gln Xaa Leu Pro Leu Phe Gly Xaa His
130 135 140

Arg Gly Asn Val Arg His His Ser Arg Ala Phe Gly Xaa Ser Phe Lys
145 150 155 160

Thr Phe Xaa Lys Xaa Phe Cys Val Arg Ser Cys Gly Met Phe Cys Xaa
 165 170 175

Arg Pro Leu Arg Pro Gly
 180

<210> 1142

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1142

Asp Gly Ala Xaa Pro Gly Arg Ala Tyr Ala Leu Leu Leu Leu Leu Ile
 1 5 10 15

Cys Phe Asn Val Gly Ser Gly Leu His Leu Gln Val Leu Ser Thr Arg
 20 25 30

Asn Glu Asn Lys Leu Leu Pro Lys His Pro His Leu Val Arg Gln Lys
 35 40 45

Arg Ala Trp Ile Thr Ala Pro Val Ala Leu Arg Glu Gly Glu Asp Leu
 50 55 60

Ser Lys Lys Asn Pro Ile Ala Lys Ile His Ser Asp Leu Ala Glu Glu
 65 70 75 80

Arg Gly Leu Lys Ile Thr Tyr Lys Tyr Thr Gly Lys Gly Ile Thr Glu
 85 90 95

Pro Pro Phe Gly Ile Phe Val Phe Asn Lys Asp Thr Gly Glu Leu Asn
 100 105 110

Val Thr Ser Ile Leu Asp Arg Glu Glu Thr Pro Phe Phe Leu Leu Thr
 115 120 125

Gly Leu Arg Phe Gly Cys Lys Arg Glu Gln Cys Arg Xaa Thr Leu
 130 135 140

<210> 1143

<211> 111

<212> PRT

<213> Homo sapiens

<400> 1143

Ala Gln Ser Pro Ser Arg Ser Thr Gly Gln Asp Val Ala Ala Glu Trp
1 5 10 15

Gly Ser Glu Glu Ser Val Ala Gly Ser Leu Glu Ala Glu Phe Glu Lys
20 25 30

Ala Ala Glu Glu Val Arg His Leu Lys Thr Lys Pro Ser Asp Glu Glu
35 40 45

Met Leu Phe Ile Tyr Gly His Tyr Lys Gln Ala Thr Val Gly Asp Ile
50 55 60

Asn Thr Glu Arg Pro Gly Met Leu Asp Phe Thr Gly Lys Ala Lys Trp
65 70 75 80

Asp Ala Trp Asn Glu Leu Lys Gly Thr Ser Lys Glu Asp Ala Met Lys
85 90 95

Ala Tyr Ile Asn Lys Val Glu Glu Leu Lys Lys Lys Tyr Gly Ile
100 105 110

<210> 1144

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144

Ala Cys Ala Tyr Thr Pro Pro Ser Xaa Lys Ala Val Gln Arg Ile Ala
1 5 10 15

Glu Ser His Xaa Gln Ser Xaa Ser Asn Leu Asn Glu Asn Xaa Ala Ser
20 25 30

Glu Glu Glu Xaa Glu Xaa Gly Glu Leu Arg Glu Leu Gly Tyr Pro Arg
35 40 45

Glu Glu Asp Glu Glu Glu Glu Glu Xaa Asp Glu Glu Glu Glu Asp Xaa
50 55 60

Glu Asp Ser Xaa Ala Glu Asp Xaa Ser Gly
65 70

<210> 1145
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (110)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (143)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1145

Asn	Xaa	Pro	Asn	Ala	Glu	Leu	Gly	Gly	Pro	Phe	Asn	Gln	Met	Asn	Gly
1				5					10					15	

Val	Xaa	Gly	Asn	Gly	Met	Asn	Asn	Ile	Asp	Met	Thr	Gly	Xaa	Lys	Lys
			20					25						30	

Ser	Leu	Xaa	Leu	Pro	Tyr	Pro	Ser	Ser	Phe	Ala	Pro	Val	Ser	Xaa	Pro
		35					40					45			

Arg	Asn	Gln	Thr	Phe	Thr	Tyr	Met	Gly	Lys	Xaa	Ser	Ile	Asp	Pro	Gln
	50					55					60				

Tyr	Pro	Gly	Ala	Ser	Xaa	Tyr	Pro	Glu	Gly	Ile	Ile	Asn	Ile	Val	Ser
65					70					75				80	

Ala	Gly	Ile	Leu	Gln	Gly	Val	Thr	Ser	Pro	Ala	Ser	Thr	Thr	Ala	Ser
				85					90					95	

Ser	Ser	Val	Thr	Ser	Ala	Ser	Pro	Asn	Pro	Leu	Ala	Thr	Xaa	Pro	Leu
		100						105					110		

Gly	Val	Cys	Thr	Met	Ser	Gln	Thr	Gln	Pro	Asp	Leu	Asp	His	Leu	Tyr
		115					120					125			

Ser	Pro	Pro	Xaa	Pro	Pro	Pro	Pro	Tyr	Ser	Gly	Cys	Ala	Gly	Xaa	Leu
	130					135					140				

Tyr	Gln	Asp	Pro	Ser	Ala	Phe	Leu	Leu
145					150			

<210> 1146

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146

Xaa	Phe	Gln	Ile	Asp	Pro	Xaa	Leu	Gly	Thr	Val	Gly	Phe	Gly	Ser	Gly
1				5				10					15		

Leu	His	Gly	Trp	Ala	Phe	Thr	Leu	Lys	Ala	Val	Cys	Arg	Glu	Cys	Met
		20					25					30			

<210> 1147

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1147

Ala	Xaa	His	Gln	Arg	Xaa	Xaa	Xaa	Ile	Lys	Arg	Leu	Ser	Thr	Glu	His
1				5				10					15		

Ser	Ser	Val	Ser	Glu	Tyr	His	Pro	Ala	Asp	Gly	Tyr	Ala	Phe	Ser	Ser
		20					25					30			

Asn	Ile	Tyr	Thr	Arg	Gly	Ser	His	Leu	Asp	Gln	Gly	Glu	Ala	Ala	Val
	35						40					45			

Ala Phe Lys Pro Thr Ser Asn Arg His Ile Arg Leu Lys Leu
 50 55 60

<210> 1148

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148

Gly Arg Ala Leu Arg Ala Xaa Arg Leu Thr Gln Leu Thr Glu Ile Leu
 1 5 10 15

Ser Gly Gly Val Tyr Ile Glu Lys Asn Asp Lys Leu Cys His Met Asp
 20 25 30

Thr Ile Asp Trp Arg Asp Ile Val Arg Asp Arg Asp Ala Glu Ile Val
 35 40 45

Val Lys Asp Asn Gly Xaa Lys Leu Ser Pro Leu Ser
 50 55 60

<210> 1149

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149

Phe Gln Thr Arg Asn Leu Gln Val Thr Leu Glu Asp Gly Tyr Ile Glu
 1 5 10 15

Leu Ser Thr Ser Asp Arg Xaa Gly Pro Ile Phe Lys Ser Pro Gln Thr
 20 25 30

Tyr Met Asp Gly Leu Leu His Tyr Val Ser Val Ile Ser Asp Asn Ser
 35 40 45

Gly

<210> 1150
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1150
 Pro Ala Ala Arg Xaa Xaa Val Pro Arg Ala Met Glu Arg Ala Ser Leu
 1 5 10 15

Ile Gln Lys Ala Xaa Leu Ala Glu Gln Ala Glu Arg Tyr Glu Asp Met
 20 25 30

Ala Ala Phe Met Xaa Gly Ala Val Glu Lys Gly Glu Glu Ser Pro Ala
 35 40 45

Lys Ser Glu Thr Cys Ser Gln
 50 55

<210> 1151
 <211> 162

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151

Val	Ser	Xaa	Gly	Thr	Gly	Asn	Ser	Arg	Val	Arg	Thr	His	Xaa	Val	Pro
1				5				10						15	

Pro	Arg	Pro	Leu	Pro	Cys	Ser	Glu	Gly	Gly	Glu	Arg	Leu	Leu	Pro	Thr
			20					25					30		

Gln	Lys	Gln	Pro	Gly	Gly	Gly	Gln	Val	Asn	Ser	Ser	Arg	Tyr	Lys	Thr
		35					40					45			

Glu	Leu	Cys	Arg	Pro	Phe	Glu	Glu	Asn	Gly	Ala	Cys	Lys	Tyr	Gly	Asp
	50					55					60				

Lys	Cys	Gln	Phe	Ala	His	Gly	Ile	His	Glu	Leu	Arg	Ser	Leu	Thr	Arg
65					70					75					80

His	Pro	Lys	Tyr	Lys	Thr	Glu	Leu	Cys	Arg	Thr	Phe	His	Thr	Ile	Gly
				85					90					95	

Phe	Cys	Pro	Tyr	Gly	Pro	Arg	Cys	His	Phe	Ile	His	Asn	Ala	Glu	Glu
			100					105					110		

Arg	Arg	Ala	Leu	Ala	Gly	Ala	Arg	Asp	Leu	Ser	Ala	Asp	Arg	Pro	Arg
		115					120					125			

Leu	Gln	His	Ser	Phe	Ser	Leu	Leu	Gly	Phe	Pro	Val	Pro	Leu	Pro	Pro
	130						135				140				

Pro	Leu	Pro	Pro	Gly	Cys	Trp	Thr	Ala	His	Val	His	Gln	Pro	Asn	Pro
145					150					155				160	

Tyr Phe

<210> 1152

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152

His Glu Gly Ala Ser Arg Cys Gly His Leu Cys Arg Gly Arg Xaa Ala
1 5 10 15

Ala Ser Tyr Pro Ala Leu Arg Ala Ser Leu Leu Pro Gln Ser Leu Ala
20 25 30

Ala Ala Ala Ala Phe Pro Thr Arg Xaa Asn Ser Gln Glu Ser Lys Thr
35 40 45

Thr Tyr Leu Glu Asp Leu Pro Pro Pro Glu Tyr Glu Leu Ala Pro
50 55 60

Ser Lys Leu Glu Glu Glu Val Asp Asp Val Phe Leu Ile Arg Ala Gln
65 70 75 80

Gly Leu Pro Trp Val Met Ala Leu Trp Glu Asp Val Ala Leu Thr Phe
85 90 95

Phe Phe Gln Thr Cys Arg Ile Arg Gln Arg Leu Ser Asn Gly Asn Tyr
100 105 110

Ile Xaa Leu Pro Lys Asn Lys Arg Trp Gly Lys Thr
115 120

<210> 1153

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (140)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (149)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1153
 Ala Met Val Arg Leu Val Lys Cys Asp Val Tyr Pro Cys Pro Asn Thr
 1 5 10 15
 Val Asp Cys Phe Val Ser Arg Pro Thr Glu Lys Thr Val Phe Thr Val
 20 25 30
 Phe Met Leu Ala Ala Ser Gly Ile Cys Ile Ile Leu Asn Val Ala Glu
 35 40 45
 Val Val Tyr Leu Ile Ile Arg Ala Cys Ala Arg Arg Ala Gln Arg Arg
 50 55 60
 Ser Asn Pro Pro Ser Arg Lys Gly Ser Gly Phe Gly His Arg Leu Ser
 65 70 75 80
 Pro Glu Tyr Lys Gln Asn Glu Ile Asn Lys Leu Leu Ser Glu Gln Asp
 85 90 95
 Gly Ser Leu Lys Asp Ile Leu Arg Xaa Thr Leu Ala Arg Gly Leu Gly
 100 105 110
 Trp Leu Lys Lys Thr Thr Val Leu Gly Cys Asp Ala Thr Tyr Gln Ala
 115 120 125
 Thr Ser His Pro Thr Pro Thr Leu Pro Gly Arg Xaa Pro Pro Ser Pro
 130 135 140
 Cys Arg Xaa Pro Xaa Ala His
 145 150

<210> 1154

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154

Gly	Ser	Pro	Trp	Pro	Asn	Ser	Cys	Arg	Pro	Glu	Ala	Arg	Arg	Asp	Arg
1				5					10					15	

Leu	Gln	Pro	Leu	Gly	Gly	Val	Cys	Glu	Xaa	Ala	Ser	Glu	His	Asp	Val
			20					25						30	

Val	Asn	Leu	Gly	Xaa	Gly	Phe	Pro	Asp	Phe	Pro	Pro	Pro	Asp	Phe	Ala
		35					40					45			

Val	Glu	Ala	Phe	Gln	His	Ala	Val	Ser	Gly	Asp	Phe	Met	Leu	Asn	Gln
	50					55					60				

Tyr	Thr	Lys	Thr	Phe	Gly	Tyr	Pro	Pro	Leu	Asp	Glu	Asp	Pro	Gly	Asn
65					70					75					80

Phe	Phe	Gly	Gly	Ala	Ala	Gly	Ser	Arg	Ile	Arg	Pro	Val	Gln	Gly	Cys
			85						90					95	

Ala	Gly	Asp	Cys	Trp	Trp	Xaa	Trp	Gly	Pro	Val	Ser	Lys	Ala	Xaa	Pro
			100					105						110	

Gly

<210> 1155

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1155

Gly	Thr	Thr	Val	Arg	Asp	Tyr	Thr	Gln	Met	Asn	Glu	Leu	Gln	Arg	Arg
1				5				10					15		

Leu	Gly	Pro	Arg	Gly	Leu	Val	Val	Leu	Gly	Phe	Pro	Cys	Asn	Gln	Phe
			20					25					30		

Gly	His	Gln	Glu	Asn	Ala	Lys	Asn	Glu	Glu	Ile	Leu	Asn	Ser	Leu	Lys
	35						40					45			

Tyr	Val	Arg	Pro	Gly	Gly	Gly	Phe	Glu	Pro	Asn	Phe	Met	Leu	Phe	Glu
	50					55					60				

Lys	Cys	Glu	Val	Asn	Gly	Ala	Gly	Ala	His	Pro	Leu	Phe	Xaa	Phe	Leu
65					70					75				80	

Arg	Glu	Ala	Leu	Pro	Ala	Pro	Ser	Asp	Asp	Xaa	Thr	Ala	Leu	Met	Thr
			85						90					95	

Asp	Pro	Lys	Leu	Ile	Thr	Trp	Ser
			100				

<210> 1156

<211> 38

<212> PRT

<213> Homo sapiens

<400> 1156

Ala	Phe	Ile	Ala	Lys	Ser	Phe	Tyr	Asp	Leu	Ser	Ala	Ile	Ser	Leu	Asp
1				5					10					15	

Gly	Glu	Lys	Val	Asp	Phe	Asn	Thr	Ser	Arg	Gly	Arg	Ala	Val	Leu	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

20 25 30

Glu Asn Val Ala Ser Leu
35

<210> 1157
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1157
Asp Thr Thr Thr Arg Asp Phe Thr Gln Leu Asn Glu Leu Gln Cys Arg
1 5 10 15
Phe Pro Arg Arg Leu Val Val Leu Gly Phe Pro Cys Asn Gln Phe Gly
20 25 30
His Gln Ser Arg Arg Asp Arg Ser Ser Lys Pro Ser Phe Glu Met Ser
35 40 45
Leu Gln Pro Gln Lys Tyr Leu Gln Pro His Thr Ile Ser Ser Ala
50 55 60

<210> 1158
<211> 67
<212> PRT
<213> Homo sapiens

<220>
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<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1158
Thr Leu Lys Phe Phe Pro Ala Ser Ala Asp Arg Thr Val Ile Asp Tyr
1 5 10 15
Asn Gly Glu Arg Thr Leu Asp Gly Phe Lys Lys Phe Leu Glu Ser Gly
20 25 30
Gly Gln Asp Gly Ala Gly Asp Asp Asp Asp Leu Glu Asp Leu Glu Glu
35 40 45
Ala Xaa Glu Pro Asp Met Glu Glu Asp Asp Asp Gln Lys Ala Val Lys
50 55 60
Asp Glu Leu

65

<210> 1159

<211> 214

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159

Ala	Val	Ile	Met	Gly	Ala	Pro	Gly	Ser	Gly	Lys	Gly	Thr	Val	Ser	Ser
1				5				10						15	

Arg	Ile	Thr	Thr	His	Phe	Glu	Leu	Lys	His	Leu	Ser	Ser	Gly	Asp	Leu
			20					25					30		

Leu	Arg	Asp	Asn	Met	Leu	Arg	Gly	Thr	Glu	Ile	Gly	Val	Leu	Ala	Lys
		35					40					45			

Ala	Phe	Ile	Asp	Gln	Gly	Lys	Leu	Ile	Pro	Asp	Asp	Val	Met	Thr	Arg
	50					55					60				

Leu	Ala	Leu	His	Glu	Leu	Lys	Asn	Leu	Thr	Gln	Tyr	Ser	Trp	Leu	Leu
65					70					75				80	

Asp	Gly	Phe	Pro	Arg	Thr	Leu	Pro	Gln	Ala	Glu	Ala	Leu	Asp	Arg	Ala
				85					90					95	

Tyr	Gln	Ile	Asp	Thr	Val	Ile	Asn	Leu	Asn	Val	Pro	Phe	Glu	Val	Ile
		100						105					110		

Lys	Gln	Arg	Leu	Thr	Ala	Arg	Trp	Ile	His	Pro	Ala	Ser	Gly	Arg	Val
	115						120					125			

Tyr	Asn	Ile	Glu	Phe	Asn	Pro	Pro	Lys	Thr	Val	Gly	Ile	Asp	Asp	Leu
	130					135					140				

Thr	Gly	Glu	Pro	Leu	Ile	Gln	Arg	Glu	Asp	Asp	Lys	Pro	Glu	Thr	Val
145					150					155				160	

Ile	Lys	Arg	Leu	Lys	Ala	Tyr	Glu	Asp	Gln	Thr	Lys	Pro	Val	Leu	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

[illegible]

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<210> 1160
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 1160
Leu Xaa Ser Xaa Lys Trp Ile Tyr Asn Gly Phe Ser Ser Val Leu Gln
1 5 10 15

Phe Leu Gly Leu Tyr Lys Lys Ser Gly Lys Leu Val Phe Phe Arg Leu
20 25 30

Gly

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<210> 1161
<211> 123
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161

Gly	Asn	Ser	Lys	Thr	Glu	Asp	Gln	Arg	Asn	Glu	Glu	Lys	Ala	His	Val
1				5					10					15	

Xaa	Ala	Asn	Lys	Lys	Ile	Glu	Lys	Gln	Leu	Gln	Xaa	Asp	Xaa	Gln	Val
			20					25						30	

Tyr	Arg	Ala	Thr	His	Arg	Leu	Leu	Leu	Leu	Gly	Ala	Gly	Glu	Ser	Gly
		35						40					45		

Lys	Ser	Thr	Ile	Val	Lys	Gln	Met	Arg	Ile	Leu	His	Val	Asn	Gly	Phe
		50				55					60				

Asn	Xaa	Asp	Ser	Glu	Lys	Ala	Thr	Lys	Val	Gln	Asp	Ile	Lys	Asn	Asn
65						70				75					80

Leu	Lys	Glu	Ala	Ile	Glu	Thr	Xaa	Val	Ala	Ala	Met	Ser	Asn	Leu	Xaa
				85					90					95	

Ala	Pro	Arg	Gly	Ala	Gly	Gln	Pro	Arg	Glu	Thr	Ser	Ser	Glu	Trp	Thr
			100					105						110	

Thr	Ser	Trp	Ser	Val	Met	Asn	Val	Pro	Gly	Phe
		115					120			

<210> 1162
<211> 87
<212> PRT
<213> Homo sapiens

<220>
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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162
Pro Thr Arg Pro Pro Thr Arg Pro Glu Leu Lys Asp Leu Gln Glu Pro
1 5 10 15
Gln Glu Pro Arg Val Gly Lys Leu Arg Asn Phe Ala Pro Ile Pro Gly
20 25 30
Glu Pro Val Val Pro Ile Leu Cys Ser Asn Pro Asn Phe Pro Glu Glu
35 40 45
Leu Lys Pro Leu Cys Lys Ser Pro Met Pro Arg Xaa Xaa Phe Arg Gly
50 55 60
Trp Arg Lys Ser Leu Xaa Asp Pro Gly His Met Trp Lys Ser Val Xaa
65 70 75 80
Thr Leu Ala Cys Thr Gly Cys
85

<210> 1163
<211> 100
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163

Val Gln Gly Pro Tyr Val Leu Gly Thr Gly Leu Ile Leu Tyr Ala Leu
1 5 10 15

Ser Lys Glu Ile Tyr Val Ile Ser Ala Glu Thr Phe Thr Ala Leu Ser
20 25 30

Val Leu Gly Val Met Val Tyr Gly Ile Lys Lys Tyr Gly Pro Phe Val
35 40 45

Ala Asp Phe Ala Asp Lys Leu Asn Glu Gln Lys Leu Ala Gln Leu Glu
50 55 60

Glu Ala Xaa Xaa Ala Ser Ile Gln His Ile Gln Asn Ala Ile Asp Thr
65 70 75 80

Glu Lys Ser Gln Gln Ala Leu Val Gln Lys Arg His Tyr Leu Phe Gly
85 90 95

Cys Ala Lys Glu
100

<210> 1164

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1164

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Val Leu Cys Gly His

1 5 10 15
Leu Ala Lys Met Pro Glu Glu Thr Gln Thr Gln Asp Gln Pro Met Glu
 20 25 30
Glu Glu Glu Val Glu Thr Phe Ala Phe Gln Ala Glu Ile Ala Gln Leu
 35 40 45
Met Ser Leu Ile Ile Asn Thr Phe Tyr Ser Asn Lys Glu Ile Phe Leu
 50 55 60
Arg Glu Leu Ile Ser Asn Ser Ser Asp Ala Leu Asp Lys Ile Arg Tyr
 65 70 75 80
Glu Ser Leu Thr Asp Pro Ser Lys Leu Asp Ser Gly Lys Glu Leu His
 85 90 95
Ile Asn Leu Ile Pro Asn Lys Gln Asp Arg Thr Leu Thr Ile Val Asp
 100 105 110
Thr Gly Ile Gly Met Thr Lys Ala Asp Leu Ile Asn Asn Leu Gly Thr
 115 120 125
Ile Ala Lys Ser Gly Thr Lys Ala Phe Met Glu Ala Leu Gln Ala Gly
 130 135 140
Ala Asp Ile Ser Met Ile Gly Gln Phe Gly Val Gly Phe Tyr Ser Ala
 145 150 155 160
Tyr Leu Val Ala Glu Lys Val Thr Val Ile Xaa Lys His Asn Asp Asp
 165 170 175
Glu Gln Tyr Xaa Trp Glu Ser Ser Ala Gly
 180 185

<210> 1165

<211> 199

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1165

Ala Xaa Ile Cys Leu Leu Glu Thr Ala Pro Ser Ser Arg Glu Ser Gln

1

5

10

15

Lys Glu Asp Met Ala Ala Gly Gln Arg Glu Ala Arg Pro Gln Val Ser

20

25

30

Leu Thr Phe Glu Asp Val Ala Val Leu Phe Thr Trp Asp Glu Trp Arg

35

40

45

Lys Leu Ala Pro Ser Xaa Arg Asn Leu Tyr Arg Asp Val Met Leu Glu

50

55

60

Asn Tyr Arg Asn Leu Val Ser Leu Gly Leu Ser Phe Thr Lys Pro Lys

65

70

75

80

Val Ile Ser Leu Leu Gln Gln Gly Glu Asp Pro Trp Glu Val Glu Lys

85

90

95

Asp Ser Ser Gly Val Ser Ser Leu Gly Cys Lys Ser Thr Pro Lys Met

100

105

110

Thr Lys Ser Thr Gln Thr Gln Asp Ser Phe Gln Glu Gln Ile Arg Lys

115

120

125

Arg Leu Lys Arg Asp Glu Pro Trp Asn Phe Ile Ser Glu Arg Ser Cys

130

135

140

Ile Tyr Glu Glu Lys Leu Lys Lys Gln Gln Asp Lys Asn Glu Asn Leu

145

150

155

160

Gln Ile Ile Ser Val Ala His Thr Lys Ile Leu Thr Xaa Asp Arg Ser
 165 170 175

His Lys Asn Val Glu Phe Ala Gln Asn Phe Tyr Leu Lys Ser Xaa Phe
 180 185 190

Ile Lys His Xaa Xaa Ile Ala
 195

<210> 1166

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166

Trp Cys Cys Ser His Leu Trp Phe Gln Gly Arg Ala Thr Pro Glu Asn
 1 5 10 15

Tyr Leu Phe Gln Gly Arg Gln Glu Cys Tyr Ala Phe Asn Gly Asn Ser
 20 25 30

Gln Lys Asp Ile Leu Glu Glu Lys Ala Gly Ser Ala Gly Thr Gly Cys
 35 40 45

Ala Asp Thr Thr Tyr Gly Ala Gly Arg Ala His Gly Pro Cys Ser Ala
 50 55 60

Glu Phe Gln Pro Arg Val Glu Cys Phe Pro Pro Pro Ser Arg Gly Pro
 65 70 75 80

Leu Ala Ala Thr Gln Xaa Ala Cys Leu Ala Lys
 85 90

<210> 1167

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1167

Asn	Val	Pro	Ala	Tyr	Lys	Ser	Ser	Gly	Gln	Ile	Met	Ser	Ser	Leu	Tyr
1				5				10						15	

Tyr	Ala	Asn	Ala	Leu	Phe	Ser	Lys	Tyr	Pro	Ala	Ser	Ser	Ser	Val	Phe
		20						25					30		

Ala	Thr	Gly	Ala	Phe	Pro	Glu	Gln	Thr	Ser	Cys	Ala	Phe	Ala	Ser	Asn
		35					40					45			

Pro	Gln	Arg	Pro	Gly	Tyr	Gly	Ala	Gly	Ser	Gly	Ala	Ser	Phe	Ala	Ala
	50					55					60				

Ser	Met	Gln	Gly	Leu	Tyr	Pro	Gly	Gly	Gly	Gly	Met	Ala	Gly	Gln	Ser
65					70					75					80

Ala	Xaa	Gly	Val	Tyr	Ala	Ala	Gly	Tyr	Gly	Leu	Glu	Pro	Xaa	Ser	Phe
				85					90					95	

Asn	Met	His	Cys	Ala	Pro	Phe	Glu	Gln	Lys	Pro	Leu	Arg	Gly	Xaa	Pro
				100					105					110	

Xaa	Xaa	Ile	Pro	Xaa	Arg
					115

<210> 1168
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168
Ser Arg Ser Trp Gly Phe Gly Cys Ser Met Leu Ala Leu Glu Thr Arg
1 5 10 15
Ala Xaa Pro Gly His Xaa Xaa Gly Cys Val Thr Phe Val Leu Asn Asp
20 25 30
His Ser Met Ala Phe Thr Gly Asp Ala Leu Leu Ile Arg Gly Cys Xaa
35 40 45
Arg Thr Asp Phe Gln Gln Gly Cys Cys Gln Asp Leu Val Thr Ile Arg
50 55 60
Ser Met Lys Arg Ser Phe Lys Ile Ser Arg Arg Leu Ser
65 70 75

<210> 1169
<211> 115
<212> PRT
<213> Homo sapiens

<400> 1169

Gly Pro Arg His Ala Asp Phe Pro Cys Ser Ala Val Val Arg Lys Cys
 1 5 10 15

Leu Ala Ala Pro Gly Arg Arg Arg Gly Arg Gln Thr Tyr Ser Arg Phe
 20 25 30

Gln Thr Leu Glu Leu Glu Lys Glu Phe Leu Phe Asn Pro Tyr Leu Thr
 35 40 45

Arg Lys Arg Arg Ile Glu Val Ser His Ala Leu Ala Leu Thr Glu Arg
 50 55 60

Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Glu
 65 70 75 80

Asn Asn Lys Asp Lys Phe Pro Val Ser Arg Gln Glu Val Lys Asp Gly
 85 90 95

Glu Thr Lys Lys Glu Ala Gln Glu Leu Glu Glu Asp Arg Ala Glu Gly
 100 105 110

Leu Thr Asn
 115

<210> 1170

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1170

Tyr Leu Lys Arg Leu Ala Thr Met Ser Lys Pro Glu Leu Lys Glu Asp
 1 5 10 15

Lys Met Leu Glu Val His Phe Val Gly Asp Asp Asp Val Leu Asn His
 20 25 30

Ile Leu Asp Arg Glu Gly Gly Ala Lys Leu Lys Lys Glu Arg Ala His
 35 40 45

Phe Trp Ser Thr Pro Lys Lys
 50 55

<210> 1171

<211> 130

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171

Pro Thr Arg Pro Xaa Thr Xaa Pro Phe Gly Pro Arg Trp His Gly Met
1 5 10 15

Arg Lys Ala Leu Pro Trp Xaa Leu Val Xaa Leu Ala Ser Leu Arg Ala
20 25 30

Val Xaa Thr Ser Xaa Met Xaa Thr Leu Pro Lys Arg Xaa Lys Ile Val
35 40 45

Glu Val Gly Pro Arg Asp Gly Leu Gln Asn Glu Lys Asn Ile Val Ser
50 55 60

Thr Pro Val Lys Ile Lys Leu Ile Asp Met Leu Ser Glu Ala Gly Leu
65 70 75 80

Ser Val Ile Glu Thr Thr Xaa Phe Glu Ser Pro Lys Trp Val Pro Gln
85 90 95

Met Gly Asp His Thr Glu Val Leu Lys Gly Ile Xaa Lys Phe Pro Gly
100 105 110

Ile Asn Tyr Pro Val Leu Thr Pro Asn Leu Lys Gly Phe Glu Ala Xaa
115 120 125

Xaa Pro
130

<210> 1172

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172
 Ala Arg Glu Asp Leu Asp Lys Ala Leu Leu Lys Ala Xaa Gln Asp Met
 1 5 10 15
 Phe Asp Lys Lys Thr Lys Ala Ser Leu Tyr Leu Xaa Thr His Asn Gly
 20 25 30
 Asn Met Tyr Thr Ser Ser Leu Tyr Gly Cys Leu Ala Ser Xaa Leu Ser
 35 40 45
 His His Xaa Ala Gln Glu Leu Ala Gly Ser Arg Ile Gly Ala Phe Ser
 50 55 60
 Tyr Gly Ser Gly Leu Ala Ala Ser Phe Phe Ser Phe Arg Val Ser Arg
 65 70 75 80
 Leu Lys Val Phe Cys Arg Ser Met Glu Ser Phe Trp Glu Thr Tyr Ala
 85 90 95
 Ser Arg Ala Ser Xaa Arg Xaa Ser Tyr Phe
 100 105

<210> 1173
 <211> 28
 <212> PRT

<213> Homo sapiens

<400> 1173

Pro Cys Lys Gly Ser Ile Ile Thr Cys Ser Leu Asn Arg Asp Leu Tyr
1 5 10 15

Glu Trp Leu His Glu Gly Ser Ala Val Ser Tyr Phe
20 25

<210> 1174

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1174

Ile Ile Thr Cys Ser Leu Ile Arg Asp Leu Tyr Glu Trp Leu His Glu
1 5 10 15

Gly Ser Ala Val Ser Tyr Phe
20

<210> 1175

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1175

Ala Ala Ser Ser Ile Cys Leu Xaa Gln Arg Leu Ser His Ala Cys Leu
1 5 10 15

Ser Thr His Gly Arg Tyr Ser Glu Thr Ala Asn Gly Ser Leu Asn Gln
20 25 30

Leu Trp Phe Leu Trp Ser Leu Ala Pro Leu Leu Leu Gly
35 40 45

<210> 1176

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1176

Arg Pro Glu Asp Ser Leu Phe Cys Pro Lys Met Glu Asn Ser Thr Thr
1 5 10 15

Thr Ile Ser Arg Glu Glu Leu Xaa Glu Leu Gln Glu Ala Phe Asn Lys
20 25 30

Ile Asp Xaa Xaa Asn Ser Gly Tyr Val Ser Asp Tyr Xaa Leu Gln Asp
35 40 45

Leu Phe Lys Glu Ala Ser Leu Pro Leu Pro Gly Tyr Lys Val Arg Glu
50 55 60

Ile Xaa Glu Lys Ile Leu Ser Val Ala Asp Ser Asn Lys Asp Gly Lys
65 70 75 80

Ile Asn Phe Glu Glu Phe
85

<210> 1177

<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (158)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1177

Ile Thr Ile Ser Phe Phe Leu Cys Leu Arg Pro Pro Thr Phe Phe Ser
 1 5 10 15

Phe Pro Phe Ser Leu Trp Gly Pro Ser Pro Met Leu Pro Cys Pro Ile
 20 25 30

Pro Phe Ser Pro Ser Arg Leu Leu Ile Pro Pro Phe Pro Ser Phe Pro
 35 40 45

Ser Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu Phe Asp Asp Glu
 50 55 60

Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe Pro His Pro Gly
 65 70 75 80

Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln Ala Asp Glu Asp
 85 90 95

Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu Pro Ala Asp Thr
 100 105 110

Ile Thr Asp Ala Val Lys Val Gly Lys Leu Pro Thr Gln Glu Pro Glu
 115 120 125

Val Gly Glu His Leu Val Gly Phe Arg Leu Gly Gln Ala Leu Asn Gln
 130 135 140

Lys Asn Phe Leu Ile Ser Glu Asp Leu Gln Met Val Xaa Xaa Leu Gln
 145 150 155 160

Lys Ser Xaa Leu Lys Glu
 165

<210> 1178

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1178

Cys Xaa Ala Ala Gly Pro Ser Cys Ala Leu Lys Ala Gly Lys Thr Ala
1 5 10 15

Ser Gly Ala Gly Glu Val Val Arg Cys Leu Ser Glu Gln Ser Val Gly
20 25 30

His Leu Ala Leu Arg Arg Gly Pro Gly Ala Arg Leu Pro Ala Leu Leu
35 40 45

Asp Glu Gln Gln Val Asn Val Leu Leu Tyr Asp Met Asn Gly Cys Tyr
50 55 60

Ser Arg Leu Lys Glu Leu Val Pro Thr Leu Pro Gln Asn Arg Lys
65 70 75

<210> 1179

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1179

Ala	Xaa	Val	Gln	Leu	Thr	Leu	Xaa	Xaa	Thr	Gln	Cys	Pro	Xaa	Gly	Lys
1				5					10					15	

Ser	Val	Xaa	Cys	His	Val	Lys	Ala	Leu	His	Asp	Ser	Xaa	Pro	Gly	Cys
			20					25					30		

Asn	Cys	Ala	Pro	Ala	Gln	Phe	Pro	Xaa	Leu	Pro	His	Ala	Ala	Xaa	Pro
		35						40					45		

Asp	Xaa	Gly
		50

<210> 1180

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Ile	Ser	Arg	Thr	Pro	Glu	Gly	His	Val	Arg	Gly	Gly	Gly	Arg	Glu	Ala
1				5				10						15	

Arg	Glu	Asp	Pro	Glu	Val	Gln	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val	Glu
		20						25					30		

Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Xaa	Glu	Gln	Phe	Asn	Ser	Thr
		35						40					45		

Tyr	Xaa	Trp	Phe	Ser	Val	Leu	His	Arg	Pro	Ala	Pro	Gly	Trp	Leu	Glu
	50					55					60				

Arg	Gln	Gly	Ser	Tyr	Lys	Trp	Gln	Gly	Phe	Xaa	Thr	Lys	Gly	Phe	Pro
65					70					75					80

Xaa	Phe	Leu	Gly	Glu	Asn	Leu	Phe	Xaa	Lys	Ala	Lys	Gly	Gln	Xaa	Arg
					85					90					95

<210> 1181

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1181

Gly Gly Tyr Cys Ser Gly Gly Ser Cys Ser Asn Phe Tyr Phe Tyr His
1 5 10 15

Met Asp Val Trp Gly Glu Arg Thr Thr Val Thr Val Ser Ser Ala Ser
20 25 30

Thr Xaa Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Xaa Asn Thr
35 40 45

Ser Glu Asn Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
50 55 60

Glu Thr Gly Asp Gly Val Leu Glu Leu Arg Gly Leu
65 70 75

<210> 1182

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (125)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1182

Asp	Pro	Tyr	Gly	Thr	Met	Glu	Ala	Pro	Ala	Gln	Leu	Leu	Xaa	Leu	Leu
1				5					10					15	

Leu	Leu	Trp	Leu	Pro	Xaa	Thr	Thr	Gly	Glu	Ile	Leu	Met	Thr	Gln	Ser
			20					25					30		

Pro	Ala	Thr	Leu	Ser	Val	Ser	Pro	Gly	Glu	Arg	Val	Thr	Leu	Ser	Cys
		35					40					45			

Arg	Ala	Gly	Gln	Ser	Val	Tyr	Ser	Asn	Leu	Ala	Trp	Tyr	Gln	Gln	Lys
	50					55					60				

Pro	Gly	Gln	Ala	Pro	Arg	Leu	Leu	Met	Tyr	Gly	Ser	Ser	Thr	Xaa	Ala
65					70					75					80

Thr	Asp	Val	Pro	Val	Arg	Phe	Ser	Gly	Xaa	Gly	Ser	Gly	Thr	Glu	Phe
				85					90					95	

Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Ser	Asp	Asp	Ser	Ala	Val	Tyr	Xaa
			100					105					110		

Cys	Gln	Gln	Tyr	Ile	Met	Trp	Pro	Gly	Thr	Phe	Gly	Xaa	Gly	Thr	Lys
			115				120					125			

Gly Glu Ile Xaa Arg Thr Gly Xaa Ala
 130 135

<210> 1183

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1183

Val Arg Xaa Xaa Xaa Phe Gly Ser Thr Ala Pro Ser Ala Asp Ala Trp
 1 5 10 15

Val Arg Thr Arg Gly Arg Thr Arg Gly Ala Glu Ala Ala Lys Met Leu
 20 25 30

Gly Glu Ala Leu Ser Lys Asn Pro Gly Tyr Ile Lys Leu Arg Lys Ile
 35 40 45

Arg Ala Ala Gln Asn Ile Ser Lys Thr Ile Ala Thr Ser Gln Asn Arg
 50 55 60

Ile Tyr Leu Thr Ala Asp Asn Leu Val Leu Asn Leu Gln Asp Glu Ser
 65 70 75 80

Phe Thr Arg Gly Ser Asp Ser Leu Ile Lys Gly Lys Lys
 85 90

<210> 1184

<211> 46

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1184
Ile Asp Leu Met Cys Lys Lys Met Lys His Leu Trp Phe Phe Leu Leu
1 5 10 15
Leu Val Ala Val Ser Xaa Met Arg Pro Val Pro Gly Ala Ala Ala Xaa
20 25 30
Val Xaa Ala Arg Thr Gly Glu Xaa Phe Gly Asp Pro Val Xaa
35 40 45

<210> 1185
<211> 142
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1185

Ser	Ala	Leu	Asn	Thr	Glu	Leu	Thr	Met	Glu	Phe	Gly	Leu	Ser	Trp	Val
1				5				10					15		

Phe	Leu	Val	Val	Ile	Leu	Lys	Gly	Val	Gln	Cys	Glu	Val	Gln	Leu	Val
		20					25						30		

Glu	Ser	Gly	Gly	Ala	Val	Val	Gln	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser
	35						40					45			

Cys	Glu	Ala	Ser	Gly	Phe	Thr	Phe	Asp	Asn	Tyr	Ala	Met	His	Trp	Val
	50					55					60				

Arg	Gln	Ala	Pro	Xaa	Lys	Gly	Leu	Glu	Trp	Val	Cys	Leu	Ile	Ser	Arg
65					70					75					80

Asp	Gly	Arg	Lys	Thr	Tyr	Phe	Ala	Asp	Ser	Met	Lys	Gly	Arg	Phe	Thr
			85						90					95	

Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Cys	Leu	Tyr	Leu	Gln	Val	Asn	Ser
		100						105					110		

Leu	Arg	Val	Glu	Asp	Thr	Xaa	Leu	Tyr	Tyr	Cys	Ala	Lys	Asp	Ile	Pro
		115					120					125			

Gly	Ser	Ser	Val	Trp	Thr	Ser	Gly	Val	Xaa	Gly	His	Xaa	Xaa
	130					135					140		

<210> 1186

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186

Ser Trp Thr Pro Arg Pro Phe His Leu Val Ile Ser Thr Glu His Arg
1 5 10 15

Gly Leu Thr Met Glu Leu Gly Leu Ser Trp Val Phe Leu Val Ala Ile
20 25 30

Leu Glu Gly Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly
35 40 45

Leu Val Gln Ala Gly Gly Val Pro Glu Thr Leu Leu Xaa Xaa Leu Trp
50 55 60

Leu Pro Pro Leu
65

<210> 1187

<211> 191

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (157)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1187

Gly Arg Glu Ile Xaa Arg Ser Phe His Leu Val Ile Ser Thr Glu His
1 5 10 15

Arg Pro Pro Thr Met Glu Phe Gly Pro Ser Trp Val Phe Leu Val Ala
20 25 30

Ile Leu Lys Gly Val His Cys Glu Val Gln Leu Val Glu Ser Gly Gly
35 40 45

Gly Leu Val Gln Pro Gly Arg Ser Leu Arg Leu Ser Cys Thr Thr Ser
50 55 60

Gly Phe Thr Phe Gly Asp Tyr Ser Met Ser Trp Val Arg Gln Ala Pro
65 70 75 80

Gly Lys Gly Leu Glu Trp Val Gly Phe Ile Arg Ser Lys Ala His Gly
85 90 95

Gly Thr Thr Glu Tyr Ala Ala Ser Val Lys Arg Gln Ile His His Leu
100 105 110

Lys Glu Met Ile Pro Gln Ala Ser Xaa Ile Trp Gln Met Asn Ser Leu
115 120 125

Lys Pro Arg Thr Gln Thr Leu Leu Ser Arg His Asp Tyr Arg His
130 135 140

Thr Pro Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Xaa Phe Ser Gly
145 150 155 160

Phe His Gln Gly Pro Ser Ser Ser Pro Trp Xaa Pro Cys Ser Arg Xaa
 165 170 175

Thr Ser Glu Xaa Gln Xaa Pro Gly Leu Ala Gly Gln Gly Leu Xaa
 180 185 190

<210> 1188

<211> 121

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (117)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1188

Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Xaa Leu Val Gln
1 5 10 15
Pro Gly Gly Ser Leu Xaa Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
20 25 30
Ser Ser Xaa Asp Met His Trp Val Arg Gln Val Ala Gly Lys Xaa Leu
35 40 45
Glu Trp Val Ser Xaa Ile Asp Pro Ala Gly Asn Thr Asn Tyr Pro Xaa
50 55 60
Ser Val Xaa Gly Arg Phe Ile Ile Ser Arg Glu Asn Asp Lys Ser Ser
65 70 75 80
Ser Tyr Leu Gln Asn Glu Trp Ala Asp Xaa Arg Gly Lys Xaa Cys Val
85 90 95
Ile Leu Xaa Lys Xaa Lys Leu Xaa Phe Leu Val Xaa Gly Xaa Xaa Arg
100 105 110
Ser Leu Gly Ala Xaa Gly Xaa Leu Gly
115 120

<210> 1189

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1189

Gly Thr Ser Asn Ala Gly Asn Xaa Asn Thr Lys Tyr Ser Gln Lys Xaa
 1 5 10 15

Gln Asp Arg Val Thr Ile Thr Arg Asp Thr Ser Thr Asn Thr Ala Tyr
 20 25 30

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 35 40 45

Xaa Arg Gly Phe Phe Gly Asp Arg Asp Tyr Tyr Tyr Tyr Tyr Tyr Met
 50 55 60

Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Ala Ser Pro
 65 70 75 80

Thr Ser Pro Lys Val Phe Pro Leu Ser Leu Cys Ser Thr Gln Pro Asp
 85 90 95

Gly Asn Val Val Ile Ala Cys Xaa Val Gln Gly Phe Phe Pro Gln Glu
 100 105 110

Pro Leu Gln Cys Gly Pro Gly Ala Lys Gly Xaa Arg Ala
 115 120 125

<210> 1190

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1190

Asn Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
 1 5 10 15

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Leu Pro Ala Glu
 20 25 30

<210> 1191

<211> 102

<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1191
Ser Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Gly Thr Gln Ala
1 5 10 15
Met Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser Ala Val
20 25 30
Val Phe Gly Gly Gly Thr Arg Leu Thr Xaa Leu Xaa Gln Pro Lys Ala
35 40 45
Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Xaa Glu Leu Gln Ala
50 55 60
Asn Lys Ala Thr Leu Val Cys Leu Ile Asn Asp Phe Tyr Pro Gly Ser
65 70 75 80

Arg Asp Ser Gly Leu Glu Xaa Gln Ile Xaa Thr Pro Phe Xaa Ala Glu
 85 90 95

Leu Gly Xaa Thr Thr Thr
 100

<210> 1192

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (154)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1192

Arg Pro Thr Arg Pro Gln Leu Trp Ala Gln Glu Ala Ala Leu Arg Thr
 1 5 10 15

Ile Ser Ser Met Ala Trp Ser Pro Leu Leu Leu Thr Leu Leu Ala His
 20 25 30

Cys Thr Gly Ser Trp Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val
 35 40 45

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser
 50 55 60

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro
 65 70 75 80

Gly Thr Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser
 85 90 95

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser
100 105 110

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Xaa Val Asp Tyr Tyr Cys
115 120 125

Gln Ser Tyr Asp Ser Ser Leu Gly Gly Ser Val Phe Gly Gly Arg Thr
130 135 140

Lys Leu Xaa Val Leu Xaa Gln Pro Lys Xaa Ala Pro Ser Val Thr Leu
145 150 155 160

<210> 1193

<211> 153

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1193

Thr	Gly	Phe	Arg	Thr	Ile	Xaa	Thr	Met	Ala	Gly	Phe	Pro	Leu	Leu	Leu
1				5					10					15	

Thr	Leu	Leu	Thr	His	Cys	Ala	Xaa	Ser	Trp	Ala	Xaa	Xaa	Val	Leu	Thr
			20					25					30		

Xaa	Pro	Pro	Ser	Xaa	Ser	Gly	Thr	Pro	Gly	Gln	Arg	Val	Thr	Ile	Ser
	35						40					45			

Cys	Ser	Gly	Ser	Ser	Ser	Asn	Ile	Gly	Thr	Asn	Tyr	Val	Tyr	Trp	Tyr
	50					55					60				

Gln	Gln	Leu	Pro	Gly	Thr	Ala	Pro	Glu	Val	Leu	Ile	Tyr	Lys	Asn	Asp
65					70					75					80

Gln	Arg	Pro	Ser	Gly	Val	Pro	Asp	Arg	Phe	Ser	Gly	Ser	Lys	Ser	Gly
				85					90					95	

Thr	Ser	Ala	Ser	Leu	Ala	Ile	Gly	Gly	Leu	Arg	Ser	Glu	Asp	Glu	Ala
			100					105					110		

Asp	Tyr	Tyr	Cys	Ala	Ser	Trp	Asp	Asp	Ser	Leu	Ser	Gly	Pro	Val	Phe
	115						120					125			

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala Ala Pro
 130 135 140

Ser Xaa Thr Leu Xaa Pro Xaa Xaa Xaa
 145 150

<210> 1194

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1194

Gly Gly Arg Ala Leu Gly Ile Ser Pro Trp Pro Gly Pro Leu Ser Cys
 1 5 10 15

Ser Pro Ser Ser Leu Ser Ala Gln Arg Lys Arg Gly Gln Ala Pro Val
 20 25 30

Val Val Ile Tyr Glu Asp Asn Lys Arg Pro Ser Gly Ile Pro Glu Arg
 35 40 45

Phe Ser Gly Ser Thr Ser Gly Thr Leu Ala Thr Val Ile Ile Ser Gly
 50 55 60

Ala Gln Val Asp Asp Asp Thr Asp Phe Tyr Cys Gln Ser Thr His Ser
 65 70 75 80

Ser Asn Asn Gly Arg Ser Val Cys Leu Arg Asn Trp Asp Gln Gly His
 85 90 95

Arg Pro Trp Ser Ala Gln Gly Gln Pro Gln Cys Xaa Ser Val Pro Gly
 100 105 110

Leu Leu

<210> 1195

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1195

Gln	Asn	Ser	Xaa	Cys	Leu	Thr	Met	Ala	Trp	Ile	Pro	Leu	Leu	Leu	Pro
1				5					10				15		

Leu	Leu	Thr	Leu	Cys	Thr	Asp	Ser	Glu	Ala	Ser	His	Glu	Leu	Arg	Gln
			20					25					30		

Pro	Xaa	Ser	Val	Ser	Val	Ser	Pro	Xaa	Gln	Thr	Ala	Xaa	Ile	Thr	Xaa
		35					40					45			

Ser	Gly	Asp	Ala	Leu	Pro	Glu	Gln	Ser	Ile	Phe	Trp	Tyr	Gln	Gln	Lys
	50					55					60				

Pro	Gly	Gln	Ala	Pro	Val	Leu	Val	Ile	Tyr	Lys	Val	His	Glu	Arg	Pro
65					70				75						80

Ser	Asp	Ala	Leu	Asn	Asp	Ser	Leu	Ala	Pro	Gly	His	Arg	Gln	Gln	Ser
				85					90					95	

Arg

<210> 1196

<211> 192

<212> PRT
<213> Homo sapiens

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<400> 1196

Ile	Xaa	Leu	Thr	Lys	Gly	Asn	Lys	Arg	Trp	Ser	Ser	Thr	Xaa	Val	Ala
1				5				10						15	

Ala	Ala	Leu	Glu	Xaa	Leu	Asp	Pro	Pro	Gly	Cys	Pro	Gly	Ser	Ala	Xaa
		20					25					30			

Xaa	Asp	Asn	Xaa	Gly	Xaa	Val	Gly	Ser	Gly	Pro	Pro	Asn	Pro	Asp	Leu
	35					40						45			

Ser	Xaa	Thr	Xaa	Leu	Asp	Gln	Tyr	Xaa	Ala	Met	Xaa	Xaa	Xaa	Xaa	His
	50					55					60				

Gly	Xaa	Asn	Met	Glu	Xaa	Ala	Leu	Gly	Met	Leu	Phe	Trp	His	Xaa	Xaa
65					70				75					80	

Asn	Ile	Gln	Xaa	Ser	Xaa	Ala	Asp	Leu	Pro	Asn	Xaa	Thr	Pro	Phe	Pro
			85					90						95	

Asp	Lys	Trp	Thr	Val	Glu	Asp	Lys	Xaa	Leu	Phe	Xaa	Gln	Ala	Phe	Thr
		100					105					110			

Phe	His	Gly	Lys	Thr	Phe	His	Thr	Ile	Gln	Pro	Met	Xaa	Pro	His	Lys
	115						120					125			

Ser	Ile	Xaa	Xaa	Leu	Val	Lys	Xaa	Tyr	Tyr	Ser	Trp	Lys	Lys	Asp	Glu
	130					135					140				

Asp	Xaa	Asn	Tyr	Cys	Asp	Gly	Ser	Pro	Cys	Pro	Gly	Asn	Xaa	Thr	Gly
145						150				155				160	

Arg Glu Glu Xaa Xaa Asp Glu Leu Glu Gln Ala Asn Gly Thr Ile Pro
 165 170 175

Xaa Xaa Leu Lys Leu Asp Pro Asn Gln Glu Xaa Gln Arg Glu Val Pro
 180 185 190

<210> 1197

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<400> 1197

Glu Gln Asn Leu Asp Arg Gln Val Leu Xaa Thr Gln Cys Ile Arg Leu
 1 5 10 15

Glu Ala Arg Tyr Tyr Ser Leu Ser Leu Thr Xaa Xaa Xaa Leu Ser His

20 25 30
 Ile Val Ala Glu Leu Arg Asn Xaa Lys Xaa Lys
 35 40

 <210> 1198
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 Val Ser Pro Ala Ser Thr Asn Cys Gln Ser Gln Glu Asn Phe Glu Ala
 1 5 10 15
 Phe Met Lys Ala Ile Gly Leu Pro Glu Glu Leu Ile Gln Lys Gly Lys
 20 25 30
 Asp Ile Lys Gly Val Ser Glu Ile Val Gln Asn Gly Lys His Phe Lys
 35 40 45
 Phe Thr Ile Thr Ala Gly Ser Lys Val Ile Gln Asn Glu Phe Thr Val
 50 55 60
 Gly Glu Glu Cys Glu Leu Glu Thr Met Thr Gly Glu Lys Val Lys Thr
 65 70 75 80
 Val Val Gln Leu Glu Gly Asp Xaa Lys Leu Val Thr Thr Phe Lys Asn
 85 90 95

 Ile Lys

<210> 1199
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Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Arg Phe Xaa Gly
20 25 30

Ser Lys Xaa Thr Xaa Xaa Cys Xaa Xaa Arg Xaa Xaa Xaa Xaa Ile Gly
35 40 45

Ser Pro Lys Xaa Asn Xaa Leu Ala Val Val Leu Gln Arg Arg Asp Trp
50 55 60

Xaa Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Xaa Xaa Pro Xaa
65 70 75 80

Phe Ala Xaa Trp Arg Asn Xaa Xaa Lys Ala Arg Thr Asp Arg Xaa Ser
85 90 95

Xaa Gln Leu Xaa Ser Leu Asn Gly Lys Trp Asp Xaa Pro Cys Ser Gly
100 105 110

Ala Leu Ser Xaa Ala Gly Val Gly Val Thr Xaa Ser Val Thr Val Thr
115 120 125

Xaa Ala Xaa Ala Xaa Ala Pro Xaa Pro Phe Xaa Phe Phe Pro Ser Phe
130 135 140

Phe Ala Thr Phe Ala Gly Phe Pro Arg Lys Ala Leu Asn Gly Gly Leu
145 150 155 160

Pro Xaa Gly Phe Arg Phe Arg Ala Leu Arg Asp Leu Asp Pro Lys Lys
165 170 175

Leu Xaa Leu Gly Gly Trp Phe Thr
180

<210> 1200

<211> 83

<212> PRT

<213> Homo sapiens

<400> 1200

Gly Pro Glu Met Gln Val Lys Leu Leu Gln Ser Leu Gly Leu Lys Ser
 1 5 10 15

Thr Leu Ile Thr Asp Gly Ser Thr Pro Ile Asn Leu Phe Asn Thr Ala
 20 25 30

Phe Gly Leu Leu Gly Met Gly Pro Glu Gly Pro Ala Pro Gly Gln Lys
 35 40 45

Gly Trp His Trp Ala Gln Pro Trp Lys Gly Asp Ile Pro Pro Val Leu
 50 55 60

Leu Lys Pro Leu Lys Leu Leu Glu Asn Thr Thr Leu Cys Leu Phe Cys
 65 70 75 80

Ala Tyr Ser

<210> 1201

<211> 75

<212> PRT

<213> Homo sapiens

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<400> 1201

Leu Leu Phe Leu Gly Pro Val Gly Leu Ile Met Tyr Leu Gly Gly Val
 1 5 10 15

Phe Phe Ile Asn Arg Gln Arg Ser Ser Thr Ala Met Thr Val Met Ala
 20 25 30

Asp Leu Gly Glu Arg Met Val Arg Glu Asn Leu Lys Val Trp Ile Tyr
 35 40 45

Pro Glu Gly Thr Arg Asn Asp Asn Gly Asp Leu Leu Pro Phe Lys Lys
 50 55 60

Gly Ala Phe Tyr Leu Ala Val Gln Ala Xaa Val
 65 70 75

<210> 1202

<211> 179

<212> PRT
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<400> 1202

Lys	Gln	Arg	Ser	Glu	Asp	Ser	Met	Tyr	Thr	Ala	Ile	Pro	Gln	Ser	Gly
1				5					10					15	

Ser	Pro	Phe	Pro	Gly	Ser	Val	Gln	Asp	Pro	Gly	Leu	His	Val	Trp	Arg
			20					25					30		

Val	Glu	Lys	Leu	Lys	Pro	Val	Pro	Val	Ala	Gln	Xaa	Asn	Gln	Gly	Ile
		35						40				45			

Phe	Phe	Ser	Gly	Asp	Ser	Tyr	Leu	Val	Leu	His	Asn	Gly	Pro	Glu	Glu
	50					55					60				

Val	Ser	His	Leu	His	Leu	Asn	Thr	Leu	Leu	Gly	Glu	Arg	Pro	Val	Gln
65					70					75					80

His	Arg	Glu	Val	Arg	Gly	Asn	Glu	Ser	Asp	Leu	Phe	Met	Ser	Tyr	Phe
				85					90					95	

Pro	Arg	Gly	Phe	Lys	Tyr	Gln	Glu	Gly	Gly	Leu	Xaa	Ser	Ala	Phe	His
		100						105					110		

Lys	Thr	Ser	Thr	Gly	Ala	Pro	Val	Ala	Ile	Lys	Lys	Xaa	Tyr	Gln	Val
		115					120					125			

Lys Gly Xaa Xaa Lys Ser Val Gln Arg Xaa Gly Met Asn Trp Glu Xaa
 130 135 140

Xaa Asn Xaa Gly Cys Leu Pro Gly Xaa Gly Lys Asn Xaa Xaa Gly Leu
 145 150 155 160

Xaa Asn Gln Ile Trp Xaa Lys Arg Gly Asp Cys Leu Asp Arg Asp Xaa
 165 170 175

Gln Gly Ser

<210> 1203

<211> 145

<212> PRT

<213> Homo sapiens

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<400> 1203

Leu Phe Leu Asp Ser Val Gly Gly Gly Ala Trp Pro Phe Leu Val Gly
 1 5 10 15

Gly Ala Ile Cys Leu Val Asn Ser Asp Asn Glu Arg Asp Ser Gly Met
 20 25 30

Leu Thr Ser Tyr Ala Thr Pro Glu Arg Ser Ala Ser Pro Asn Phe Leu
 35 40 45

Glu Gly Gln Val Ala Phe Ser His Pro Arg Leu Ser Asn Asn Arg Ser
 50 55 60

Val Met Pro Leu Asp Val Arg Gly Cys Thr Arg Ala Thr Leu Thr Gly
 65 70 75 80

Ser Ala Cys Ala Tyr Pro Thr Pro Ala Gly Ala Gly Asn Pro Leu Asn
 85 90 95

Pro Ile Arg Asp Gly Asp Arg Gly Leu Gln Leu Phe Pro Met Asn Glu
 100 105 110

Glu Phe Pro Val Ser Ala Gly His Lys Leu Ala Leu Ile Lys Ser Leu
115 120 125

Pro Leu Gln Pro Phe Trp Xaa Phe Gly Pro Leu Xaa Leu Phe His Leu
130 135 140

Ser
145

<210> 1204

<211> 72

<212> PRT

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<400> 1204

Pro	Arg	Pro	Ala	Gly	Asn	Ser	Ser	Arg	Val	His	Xaa	Glu	Gly	Thr	Thr
1				5					10					15	

Val	Leu	Xaa	Xaa	Gln	Phe	Gly	Leu	Asn	Ala	Ser	Xaa	Ser	Arg	Phe	Phe
			20					25					30		

Leu	Gln	Xaa	Xaa	Gln	Leu	Ile	Thr	Ile	Leu	Pro	Val	Arg	Gln	Arg	Xaa
		35				40						45			

Leu	Pro	Leu	Lys	Xaa	Ala	Asn	Xaa	Xaa	Leu	Thr	Xaa	Pro	Ala	Ala	Thr
	50					55					60				

Val	Arg	Gln	Phe	Leu	Gln	Val	Pro
65					70		

<210> 1205

<211> 159

<212> PRT

<213> Homo sapiens

<400> 1205

Thr	Pro	Leu	Gly	Val	Pro	Val	Ile	Gln	Pro	Tyr	Arg	Leu	Asp	Ser	Lys
1				5				10						15	

Val	Lys	Gln	Ile	Gly	Gly	Gly	Ile	Gln	Ser	Ile	Thr	Tyr	Thr	His	Asn
			20					25					30		

Gly Asp Ile Ser Arg Lys Pro Asn Thr Arg Lys Gln Lys Asn Gly Phe
35 40 45

Pro Pro Asn Phe Ile His Ser Leu Asp Ser Ser His Met Met Leu Thr
50 55 60

Ala Leu His Cys Tyr Arg Lys Gly Leu Thr Phe Val Ser Val His Asp
65 70 75 80

Cys Tyr Trp Thr His Ala Ala Asp Val Ser Val Met Asn Gln Val Cys
85 90 95

Arg Glu Gln Phe Val Arg Leu His Ser Glu Pro Ile Leu Gln Asp Leu
100 105 110

Ser Arg Phe Leu Val Lys Arg Phe Cys Ser Glu Pro Gln Lys Ile Leu
115 120 125

Glu Ala Ser Gln Leu Lys Glu Thr Leu Gln Ala Val Pro Lys Pro Gly
130 135 140

Ala Phe Asp Leu Glu Gln Val Lys Arg Ser Thr Tyr Phe Phe Ser
145 150 155

<210> 1206

<211> 109

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<400> 1206

Gln	Met	Tyr	Gly	Thr	Asn	Lys	Met	Xaa	Pro	Tyr	Arg	Asp	Ser	Lys	Leu
1				5					10					15	

Thr	His	Leu	Phe	Lys	Asn	Tyr	Phe	Asp	Gly	Glu	Gly	Lys	Val	Arg	Met
		20						25					30		

Ile	Val	Tyr	Val	Asn	Pro	Lys	Ala	Xaa	Asp	Tyr	Xaa	Glu	Asn	Xaa	Gln
		35					40					45			

Val	Met	Arg	Phe	Ala	Glu	Val	Thr	Gln	Glu	Val	Glu	Val	Ala	Arg	Pro
	50					55				60					

Val	Asp	Lys	Val	Ile	Cys	Gly	Leu	Thr	Pro	Xaa	Arg	Arg	Tyr	Arg	Asn
65					70					75					80

Gln	Xaa	Arg	Gly	Pro	Val	Gly	Asn	Xaa	Pro	Leu	Gly	Thr	Asp	Val	Val
				85					90					95	

Xaa	Gln	Ser	Phe	Pro	Pro	Leu	Pro	Xaa	Met	Arg	Asn	Phe
				100				105				

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<211> 84

<212> PRT

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<400> 1207

Asn	Xaa	Lys	Leu	Ser	Glu	Gln	Glu	Leu	Gln	Phe	Arg	Arg	Leu	Ser	Gln
1				5				10					15		

Glu	Gln	Val	Asp	Asn	Phe	Thr	Leu	Asp	Ile	Asn	Thr	Ala	Tyr	Ala	Arg
			20					25					30		

Leu	Arg	Gly	Ile	Glu	Gln	Ala	Val	Gln	Ser	His	Ala	Val	Ala	Glu	Glu
		35						40					45		

Glu	Ala	Arg	Lys	Ala	His	Gln	Leu	Trp	Leu	Ser	Val	Glu	Ala	Leu	Lys
		50				55					60				

Tyr	Ser	Met	Xaa	Asp	Leu	His	Leu	Ala	Glu	Thr	Pro	Thr	Ile	Pro	Leu
	65				70					75					80

Gly Ser Gly Ser

<210> 1208

<211> 57

<212> PRT

<213> Homo sapiens

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<222> (37)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1208

Pro	Cys	Ser	Thr	Val	Pro	Val	Thr	Thr	Glu	Val	Ser	Tyr	Ala	Gly	Cys
1				5				10						15	

Thr	Lys	Thr	Val	Leu	Met	Asn	His	Cys	Ser	Gly	Ser	Cys	Gly	Thr	Phe
			20					25					30		

Val	Met	Tyr	Ser	Xaa	Gln	Ala	Gln	Ala	Leu	Asp	His	Ser	Xaa	Leu	Leu
		35					40					45			

Leu	Gln	Arg	Xaa	Xaa	Asn	Gln	Pro	Ala
	50					55		

<210> 1209

<211> 84

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1209

Ala Xaa Asp Gln Ala Gly Glu Val Asp His Thr Leu Leu Gly Gln Cys
1 5 10 15

Thr Gly Gly Gly Tyr Phe Met Gln Phe Xaa Thr Ser Ser Gly Ser Ala
20 25 30

Glu Glu Ala Ala Leu Leu Glu Ser Arg Ile Leu Tyr Pro Lys Arg Lys
35 40 45

Gln Gln Cys Leu Gln Phe Phe Tyr Lys Met Xaa Gly Glu Val Leu Xaa
50 55 60

Asp Arg Leu Arg Cys Leu Gly Xaa Gly Gly Asp Asp Ser Thr Gly Asn
65 70 75 80

Val Arg Asn Trp

<210> 1210

<211> 129

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1210

Leu Leu Asn Asp Ala Val Thr Val Val Leu Tyr His Leu Phe Glu Glu
1 5 10 15

Phe Ala Asn Tyr Glu His Val Gly Ile Val Asp Ile Phe Leu Gly Phe
 20 25 30
 Leu Ser Phe Phe Val Val Ala Leu Gly Gly Val Leu Val Gly Val Val
 35 40 45
 Tyr Gly Val Ile Ala Ala Phe Thr Ser Arg Phe Thr Ser His Ile Arg
 50 55 60
 Val Ile Glu Pro Leu Phe Val Phe Leu Tyr Ser Tyr Met Ala Tyr Leu
 65 70 75 80
 Ser Ala Glu Leu Phe His Leu Ser Gly Ile Met Ala Leu Ile Ala Ser
 85 90 95
 Gly Val Val Met Arg Pro Tyr Val Gly Xaa Gln His Phe His Lys Phe
 100 105 110
 Pro Gln Gln His Gln Ile Ile Ser Trp Lys Met Xaa Glu Gln Arg Xaa
 115 120 125

Xaa

<210> 1211

<211> 43

<212> PRT

<213> Homo sapiens

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<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1211

Leu His Ala Phe Cys Xaa Ile Asn Asn Ile Lys Pro Ser Trp Thr Arg
 1 5 10 15

Xaa Asn Thr Leu Met Phe Ile His Leu Ser Pro Ile Leu Leu Ser
 20 25 30

Leu Asn Pro Asp Ile Ile Thr Gly Phe Ser Ser
 35 40

<210> 1212
<211> 29
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212
Gln Gly Phe Lys Val Glu Arg Met His Ile Thr Asp Met Lys Leu Ala
1 5 10 15

Xaa Leu Pro Xaa Leu Glu Ala Leu Gly Val Xaa Val Asn
20 25

<210> 1213
<211> 137
<212> PRT
<213> Homo sapiens

<220>
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<222> (92)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Ala	Lys	Val	His	Pro	Asn	Ser	Val	His	Ile	Cys	Ala	Val	Val	Val	Glu
1				5					10					15	

Tyr	Glu	Thr	Lys	Ala	Gly	Arg	Ile	Asn	Lys	Gly	Val	Xaa	Thr	Asn	Trp
			20					25						30	

Leu	Arg	Ala	Lys	Glu	Pro	Ala	Gly	Glu	Asn	Gly	Gly	Arg	Ala	Leu	Val
		35					40					45			

Pro	Met	Phe	Val	Arg	Lys	Ser	Gln	Phe	Arg	Leu	Pro	Phe	Lys	Ala	Thr
	50					55					60				

Thr	Pro	Val	Ile	Met	Xaa	Gly	Pro	Gly	Thr	Gly	Val	Xaa	Pro	Phe	Ile
65					70					75					80

Gly	Xaa	Ile	Gln	Glu	Arg	Ala	Trp	Leu	Arg	Gln	Xaa	Gly	Lys	Glu	Val
			85						90					95	

Gly	Glu	Thr	Leu	Leu	Asn	Tyr	Gly	Cys	Arg	Arg	Ser	Asp	Glu	Asp	Tyr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

100	105	110
Leu Xaa Arg Xaa Glu Leu Ala Gln Phe His Arg Asp Gly Ala Leu Thr		
115	120	125
Gln Leu Asn Val Ala Phe Xaa Arg Xaa		
130	135	

<210> 1214

<211> 207

<212> PRT

<213> Homo sapiens

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<222> (3)

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (168)
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<220>
<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1214

Ala Ser Xaa His His Ser Ala Cys Phe Leu Gly Pro Glu Ile Met Pro
1 5 10 15

Leu Gly Leu Leu Trp Leu Gly Leu Xaa Leu Leu Gly Ala Leu His Ala
20 25 30

Gln Ala Gln Asp Ser Thr Ser Asp Leu Ile Pro Ala Pro Pro Leu Ser
35 40 45

Lys Val Pro Leu Gln Xaa Asn Phe His Asp Asn Gln Phe His Gly Lys
50 55 60

Trp Tyr Val Val Arg Leu Ala Arg Asn Ala Ile Leu Arg Xaa His Lys
65 70 75 80

Asp Pro Gln Xaa Met Tyr Ala Thr Ile Tyr Glu Leu Lys Glu Thr Arg
85 90 95

Xaa Thr Met Ser Leu Arg Leu Phe Lys Lys Lys Lys Cys Asp Tyr Leu
100 105 110

Asp Gln Glu Phe Trp Ser Lys Val Ala Xaa Arg Arg Ile Pro Pro Trp
115 120 125

Gly Pro Leu Lys Leu Pro Trp Xaa Asn Gln Phe Pro Pro Ser Asn Cys
130 135 140

Xaa His Gln Leu Gln Xaa Pro Ser Phe Gly Phe Leu Pro Xaa Asn Phe
145 150 155 160

Ser Lys Gln Gly Xaa Leu Pro Xaa Pro Xaa Phe Arg Lys Asn Lys Glu
165 170 175

Leu Ile Pro Xaa Leu Lys Glu Lys Phe Ser Xaa Leu Pro Phe Leu Gly
180 185 190

Pro Pro Lys Xaa Lys Phe Val Phe Pro Phe Pro Thr Asn Ile Xaa
195 200 205

<210> 1215

<211> 69

<212> PRT

<213> Homo sapiens

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<222> (65)
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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1215
Gly Ser His Thr Ala Arg Arg Leu Gly Arg Leu Arg Gly Ser Xaa Ala
1 5 10 15

Arg Leu Xaa Gly Pro Arg Arg Ala Xaa Gly Gly Lys Met Ala Xaa Gly
20 25 30

Gly Gly Asp Leu Ser Thr Arg Xaa Leu Asn Xaa Cys Ile Ser Pro Val
 35 40 45

Ala Asn Glu Met Asn His Leu Pro Ala His Xaa His Asp Leu Gln Arg
 50 55 60

Xaa Phe Thr Glu Xaa
 65

<210> 1216

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216

Leu Asn Pro Leu Gly Ile Lys Tyr Ile Val Ala Arg Pro Val Tyr Ser
 1 5 10 15

Thr Asn Ala Phe Glu Glu Asn His Lys Lys Thr Gly Arg His His Lys
 20 25 30

Thr Phe Leu Asp His Leu Lys Val Cys Xaa Asn Cys Ser Pro Gln Lys
 35 40 45

Ala Arg Glu Leu Xaa Ser Leu Xaa Phe Pro
 50 55

<210> 1217

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1217

Ala Gly Leu Gln Met Gly Arg Ser Arg Ser Arg Ser Pro Arg Arg Glu
 1 5 10 15

Arg Arg Arg Ser Arg Ser Thr Ser Arg Glu Arg Glu Arg Arg Arg Arg
 20 25 30

Glu Arg Ser Arg Ser Arg Glu Arg Asp Arg Arg Arg Ser Arg Ser Arg
 35 40 45

Ser Pro His Arg Arg Arg Ser Arg Ser Pro Arg Arg His Arg Ser Thr
 50 55 60

Ser Pro Ser Pro Ser Arg Leu Lys Glu Arg Arg Asp Glu Glu Lys Lys
 65 70 75 80

Glu Thr Lys Glu Thr Lys Ser Lys Glu Arg Gln Ile Thr Glu Glu Asp
 85 90 95

Leu Glu Gly Lys Thr Glu Glu Glu Ile Glu Met Met Lys Leu Met Gly
 100 105 110

Phe Ala Ser Phe Asp Ser Thr Lys Gly Lys Lys Val Asp Xaa Ser Val
 115 120 125

Asn Ala Tyr Ala Ile Asn Val Ser Gln Lys Arg Lys Tyr Arg Tyr Ala
 130 135 140

<210> 1218

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1218

Gln Xaa Leu Cys Gln Ala Gly Asp Asp Ser Asn Ser Asn Lys Lys Asn
 1 5 10 15

Ala Asp Leu Gln Val Leu Lys Pro Glu Pro Glu Leu Val Tyr Glu Asp
 20 25 30

Leu Arg Gly Ser Val Thr Phe His Cys Ala Leu Gly Pro Glu Val Ala
 35 40 45

Asn Val Ala Lys Ile Leu Ser Gly Arg Glu Trp Gly Lys Asp Ala Val
 50 55 60

Ser Ser Leu Gln Ile Cys
 65 70

<210> 1219

<211> 104

<212> PRT

<213> Homo sapiens

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<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1219

Ser Thr His Ala Ser Ala Xaa Xaa Ser Leu Val Leu Arg Ile Ala Thr
 1 5 10 15

Asp Asp Ser Lys Ala Val Cys Arg Leu Ser Val Lys Phe Gly Ala Thr
 20 25 30

Leu Lys Ile Ser Arg Leu Leu Leu Glu Arg Ala Arg Glu Leu Asn Ile
 35 40 45

Asp Ile Ile Gly Val Ser Phe His Val Gly Ser Gly Cys Thr Asp Pro
 50 55 60

Gly Asp Leu Arg Ala Ser His Leu Arg Cys Pro Leu Cys Leu Arg His
 65 70 75 80

Gly Glu Leu Arg Leu Val Ser Thr Cys Ile Cys Leu Ile Ser Val Val
85 90 95

Gly Phe Pro Gly Ile Xaa Arg Met
100

<210> 1220
<211> 89
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1220

Gly Thr Arg Xaa Cys Pro Xaa Arg Val Arg Val Ala Met Gly Xaa Ile
1 5 10 15

Glu Trp Ala Xaa Trp Ala Asn Glu Gln Ala Leu Ala Ser Gly Leu Ile
20 25 30

Leu Ile Thr Gly Gly Ile Val Ala Thr Ala Gly Arg Xaa Thr Xaa Trp
35 40 45

Tyr Phe Gly Ala Xaa Ser Ile Val Ala Gly Val Phe Val Cys Leu Leu
50 55 60

Glu Tyr Pro Arg Xaa Lys Arg Lys Lys Gly Ser Thr Met Val Arg Trp
65 70 75 80

Gly Gln Lys Tyr Met Thr Xaa Xaa Val
85

<210> 1221

<211> 141

<212> PRT

<213> Homo sapiens

<400> 1221

Asp Thr Phe Ile Arg His Ile Ala Leu Leu Gly Phe Glu Lys Arg Phe
1 5 10 15

Val Pro Ser Gln His Tyr Val His Val Pro Gly Glu Met Ala Gly Pro
20 25 30

Val Gly Glu Gly Gly Leu Pro Ala Leu His Arg Asp Leu Arg Val Pro
35 40 45

Ser Pro Lys Trp Phe Asp Gly Gln Arg Ala Ala Glu Asn His Gln Gly
50 55 60

Thr	Leu	Thr	Glu	Tyr	Cys	Gly	Thr	Leu	Met	Ser	Leu	Pro	Thr	Lys	Ile
65					70					75					80
Ser	Arg	Cys	Pro	His	Leu	Leu	Asp	Phe	Phe	Lys	Val	Arg	Pro	Asp	Asp
				85					90					95	
Leu	Lys	Leu	Pro	Thr	Asp	Asn	Gln	Thr	Lys	Lys	Pro	Glu	Thr	Tyr	Leu
			100					105					110		
Met	Pro	Lys	Asp	Gly	Lys	Ser	Thr	Ala	Thr	Asp	Ile	Thr	Gly	Pro	Ile
		115					120					125			
Ile	Leu	Gln	Thr	Tyr	Arg	Ala	Ile	Ala	Asn	Tyr	Glu	Lys			
	130					135					140				

<210> 1222

<211> 29

<212> PRT

<213> Homo sapiens

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<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1222

Arg Cys Pro Val Thr Val Cys Gly Xaa Val His Gly Gln Phe His Asp
1 5 10 15

Leu Met Glu Leu Phe Arg Ile Xaa Gly Lys Ser Pro Asp
20 25

<210> 1223

<211> 43

<212> PRT

<213> Homo sapiens

<220>

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<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1223
Leu Xaa Xaa Gln Ile Xaa Tyr Xaa Thr Xaa Pro Thr Ser Leu Pro Arg
1 5 10 15
Thr Ser Xaa Cys Leu His Ala Xaa Thr Ser Trp Lys Gln Ser Leu Leu
20 25 30

Gly Cys Leu Asn Xaa Lys Leu Xaa Xaa Ala Thr
35 40

<210> 1224

<211> 94

<212> PRT

<213> Homo sapiens

<400> 1224

Ala Asp Ala Trp Gly Lys Thr Phe Ala Arg Tyr Leu Ser Phe Arg Arg
1 5 10 15

Asp Asn Asn Glu Leu Leu Leu Phe Ile Leu Lys Gln Leu Val Ala Glu
20 25 30

Gln Val Thr Tyr Gln Arg Asn Arg Phe Gly Ala Gln Gln Asp Thr Ile
35 40 45

Glu Val Pro Glu Lys Asp Leu Val Asp Lys Ala Arg Gln Ile Asn Ile
50 55 60

His Asn Leu Ser Ala Phe Tyr Asp Ser Glu Leu Phe Arg Met Asn Lys
65 70 75 80

Phe Ser His Asp Leu Lys Arg Lys Met Ile Leu Gln Gln Phe
85 90

<210> 1225

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1225

Gly Arg Pro Thr Arg Pro Pro Thr Leu Xaa Leu Ala Trp Thr Ser Gly
1 5 10 15

Thr Asn Cys Thr Arg Phe Gly Ile Ala Ala Lys Tyr Gln Leu Asp Pro
20 25 30

Thr Ala Ser Ile Ser Ala Lys Val Asn Asn Ser Ser Leu Ile Gly Val
35 40 45

Leu Leu Gln Arg Met Met Met Ala Gly Ser Val Arg Asn Gly Lys Pro
85 90 95

Arg Arg Thr Val Ile
100

<210> 1228

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (32)

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<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1228

Leu Ile Ser Gly Lys Asp Cys Ala Val Ile Val Thr Gln Lys Lys Val
1 5 10 15

Pro Asp Lys Leu Leu Xaa Ser Ser Thr Val Thr His Leu Phe Lys Xaa
20 25 30

Xaa Gly Asn Ile Gly Cys Xaa Lys Thr Gly Met Ser Ala Xaa Ser Arg
35 40 45

Ser Gln Val Gln Arg Ala Arg Tyr Xaa Ala Ala Asn Leu Glu Tyr Lys
50 55 60

Tyr Gly Tyr Glu Xaa Pro Val Xaa Met Pro Val
65 70 75

<210> 1229

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1229

Asn Thr Leu Ile Leu Xaa Pro Ser Lys Asn His Leu Lys Ala Ala Gly
1 5 10 15

His Leu Tyr Ile Val Met Glu Tyr Cys Asp Gly Arg Asp Leu Met Gln
20 25 30

Lys Ile Lys Gln Gln Lys Arg Lys Ser Tyr Phe Leu Lys Thr
35 40 45

<210> 1230

<211> 136

<212> PRT

<213> Homo sapiens

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<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1230

Lys Thr Ile Arg Cys Val Cys Thr Trp Arg Leu His Leu Leu Ala Ser
1 5 10 15

Thr Tyr Ala Cys Ser Gln Asn Thr Asn Lys Thr Cys Glu Glu Cys Leu
20 25 30

Lys Asn Val Ser Cys Leu Trp Cys Asn Thr Asn Lys Leu Val Leu Asp
35 40 45

Tyr Gln Xaa Gln Ser Leu Ala Thr Gly Phe Pro Leu Leu Ile Asn Xaa
50 55 60

Leu His Leu Gly Asn Phe Val Gly Xaa Asn Leu Glu Ala Leu Asn His
65 70 75 80

His Met Phe Gly Ser Pro Gly Asn Pro Pro Pro Gly Ala Leu Ala Ser
85 90 95

Ala Ala Cys Leu Leu Ala Ala Arg Arg Lys Lys Glu Pro Glu Thr Arg
 100 105 110

Thr Gly Ile Lys Glu Lys Arg Xaa Cys Val Xaa Pro Glu Arg Lys Ser
 115 120 125

Xaa Ile Pro Ala Gly Xaa Thr Glu
 130 135

<210> 1231

<211> 105

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1231

Leu Pro Xaa Gly Ala Gly Gly Met Ser Lys Gly Leu Pro Ala Arg Gln
 1 5 10 15

Asp Met Glu Lys Glu Arg Glu Thr Leu Gln Ala Trp Lys Glu Arg Val
 20 25 30

Gly Gln Glu Leu Asp Arg Val Val Ala Phe Trp Met Glu His Ser His
 35 40 45

Asp Gln Glu His Gly Gly Phe Phe Thr Cys Leu Gly Arg Glu Gly Arg
 50 55 60

Val Tyr Asp Asp Leu Lys Tyr Val Trp Leu Gln Gly Arg Gln Val Trp
 65 70 75 80

Met Tyr Cys Xaa Pro Val Pro His Phe Arg Ala Leu Xaa Pro Cys Ser
 85 90 95

Ala Ser Gly Arg Ser Xaa Ser Arg Trp
 100 105

<210> 1232

<211> 99

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1232

Asn Ser Ala Arg Ala Glu Val Thr Asp Glu Tyr Lys Asn Xaa Val Lys
 1 5 10 15

Asn Arg Ser Val Tyr Ile Lys Gly Phe Pro Thr Asp Ala Thr Leu Asp
 20 25 30

Asp Ile Lys Glu Trp Leu Glu Asp Lys Gly Gln Val Leu Asn Ile Gln
 35 40 45

Met Arg Arg Thr Leu His Lys Ala Phe Lys Gly Ser Ile Phe Val Val
 50 55 60

Phe Asp Ser Ile Glu Ser Ala Lys Lys Phe Val Glu Ala Pro Gly Gln
 65 70 75 80

Lys Tyr Lys Glu Pro Asp Leu Leu Ile Leu Phe Lys Ala Gly Xaa Phe
 85 90 95

Ala Lys Lys

<210> 1233

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1233

Pro Phe Gly Thr Gly Pro Glu Phe Pro Gly Leu Pro Ser Ser Ser Phe
1 5 10 15
Leu Arg His Arg Gly Val Phe Leu Thr Pro Leu Leu Ala Met Ser Ser
20 25 30
His Lys Thr Phe Arg Ile Lys Arg Phe Leu Ala Lys Lys Gln Lys Gln
35 40 45
Asn Arg Pro Ile Pro Gln Trp Ile Arg Met Lys Thr Gly Asn Lys Ile
50 55 60
Arg Tyr Asn Ser Lys Arg Arg His Trp Arg Arg Thr Lys Leu Gly Leu
65 70 75 80

<210> 1234

<211> 83

<212> PRT

<213> Homo sapiens

<220>

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<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1234

Val Thr Leu Xaa Lys Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg
1 5 10 15
Val Asp Pro Arg Val Arg Arg Pro Thr Arg Pro Pro Thr Arg Pro Pro
20 25 30
Thr Arg Pro Pro Thr Arg Pro Leu Cys Arg Lys Met Gly Val Pro Tyr
35 40 45
Cys Ile Ile Lys Gly Lys Ala Arg Leu Gly Arg Leu Val His Arg Lys
50 55 60
Thr Cys Thr Thr Val Ala Phe Thr Gln Val Asn Ser Glu Arg Gln Arg
65 70 75 80
Arg Phe Gly

<210> 1235

<211> 161

<212> PRT

<213> Homo sapiens

<400> 1235

Arg Glu Gln Lys Leu Glu Leu His Arg Gly Ala Ala Ala Leu Glu Leu
1 5 10 15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Gly Ala Ala Thr Met
20 25 30

Val Arg Met Asn Val Leu Ala Asp Ala Leu Lys Ser Ile Asn Asn Ala
35 40 45

Glu Lys Arg Gly Lys Arg Gln Val Leu Ile Arg Pro Cys Ser Lys Val
50 55 60

Ile Val Arg Phe Leu Thr Val Met Met Lys His Gly Tyr Ile Gly Glu
65 70 75 80

Phe Glu Ile Ile Asp Asp His Arg Ala Gly Lys Ile Val Val Asn Leu
85 90 95

Thr Gly Arg Leu Asn Lys Cys Gly Val Ile Ser Pro Arg Phe Asp Val
100 105 110

Gln Leu Lys Asp Leu Glu Lys Trp Gln Asn Asn Leu Leu Pro Ser Arg
115 120 125

Gln Phe Gly Phe Ile Val Leu Thr Thr Ser Ala Gly Ile Met Asp His
130 135 140

Glu Glu Ala Arg Arg Lys His Thr Gly Gly Lys Ile Leu Gly Phe Phe
145 150 155 160

Phe

<210> 1236

<211> 152

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1236

Leu Xaa Arg Ala Leu Phe Lys Arg Asn Pro Ala Asn Arg Leu Gly Ser

1 5 10 15

Gly Pro Asp Gly Ala Glu Glu Ile Lys Arg His Val Phe Tyr Ser Thr

20 25 30

Ile Asp Trp Asn Lys Leu Tyr Arg Arg Glu Xaa Thr Pro Pro Phe Lys

35 40 45

Pro Ala Val Ala Gln Pro Asp Asp Thr Phe Tyr Phe Asp Thr Glu Phe

50 55 60

Thr Ser Arg Thr Pro Lys Asp Ser Pro Gly Ile Pro Pro Ser Ala Gly

65 70 75 80

Ala His Gln Leu Phe Arg Gly Phe Ser Phe Val Ala Thr Gly Leu Met

85 90 95

Glu Asp Asp Gly Lys Pro Arg Ala Pro Xaa Ala Pro Leu His Ser Val
 100 105 110

Val Gln Gln Leu His Gly Lys Asn Leu Val Phe Ser Asp Gly Tyr Val
 115 120 125

Val Lys Glu Thr Ile Gly Val Gly Ser Xaa Ser Glu Cys Lys Arg Cys
 130 135 140

Val His Lys Gly Pro Xaa Xaa Xaa
145 150

<210> 1237

<211> 73

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1237

Arg Asp Thr Ser His Xaa Val Ala Gly Ala Leu Arg Pro Xaa Val Gln
1 5 10 15

Ala Thr Val Xaa Ala Thr Xaa Xaa Gln Pro Val Leu Asp Leu Lys Arg
20 25 30

Pro Phe Leu Ser Arg Glu Ser Leu Ser Gly Xaa Ala Cys Asp Arg Leu
35 40 45

Val Val Asp Ser Xaa Gly Ala Gln Xaa Pro Cys Phe Phe Leu Leu Ile
50 55 60

Pro Thr Gln Thr Ser Arg Xaa Leu Ile
65 70

<210> 1238

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1238

Met Gly Phe Ser Leu Ile Pro Ser Ser Phe Ser His Leu Ala Asp Asn
1 5 10 15

Thr Thr Ser Leu Thr Asp Lys His Leu Asp Pro Ile Arg Glu Asn Leu
20 25 30

Gly Lys His Trp Glu Lys Leu Cys Pro
35 40

<210> 1239

<211> 42

<212> PRT
<213> Homo sapiens

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<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1239
His Asp Ser Cys Lys Lys Xaa Thr Lys His Tyr Glu Met Leu Ala Asn
1 5 10 15
Arg Xaa Ala Ala Asn Gly His Cys Ile Asp Ile Tyr Xaa Cys Ala Pro
20 25 30
Asp Gln Thr Gly Leu Leu Xaa Leu Xaa Cys
35 40

<210> 1240
<211> 106
<212> PRT
<213> Homo sapiens

<220>
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<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1240

Leu Glu Ser Leu Gln Glu Asn His Phe Gln Glu Asp Xaa Gln Phe Leu

1

5

10

15

Gly Ala Val Met Pro Arg Leu Gly Ile Gly Met Asp Thr Cys Val Ile

20

25

30

Pro Leu Lys His Gly Gly Leu Ser Leu Val Gln Thr Thr Asp Tyr Ile

35

40

45

Tyr Pro Ile Val Asp Asp Pro Tyr Met Met Thr Pro Ala Val Ala Glu

50

55

60

Xaa Arg Pro Val Pro Cys Pro His Leu Ala Leu Gly Ile Lys Gln Leu

65

70

75

80

Gly Arg Lys Gln Glu Ser Pro Leu Leu Leu Leu Gln Leu Asn Thr Cys

85

90

95

Trp Xaa Asp Asn Met Cys Gln Cys Pro Gln

100

105

<210> 1241

<211> 77

<212> PRT

<213> Homo sapiens

<400> 1241

Ser Arg Pro Val Gly Ser Gly Cys Asp Asn Pro Ser Asn Val Glu Lys

1

5

10

15

Pro Gly Ala Cys Leu Ala Leu Cys Leu Leu Pro Ser Gly Gly Thr Glu

20

25

30

Ser Gln Asp Gln Ser Ser Leu Cys Lys Gln Pro Pro Ala Gly His Lys

35

40

45

Arg Ser Arg Ser Met Leu Asn Ser Asn Gly Ser Val Thr Val Val Val

50

55

60

Phe Phe Lys Pro Ala Asp Thr Cys His Thr Ala Gly Ile
 65 70 75

<210> 1242

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1242

Arg Leu Ala Ile Thr Gly Leu Thr Met Glu Arg Lys Val Leu Ala Leu
 1 5 10 15

Gln Ala Arg Lys Lys Arg Thr Lys Ala Lys Lys Asp Lys Ala Gln Arg
 20 25 30

Lys Ser Glu Thr Gln His Arg Gly Ser Ala Pro His Ser Glu Ser Asp
 35 40 45

Leu Pro Glu Gln Glu Glu Glu Ile Leu Gly Ser Asp Asp Asp Glu Gln
 50 55 60

Glu Asp Pro Asn Asp Tyr Cys Lys Gly Gly Tyr His Leu Val Lys Ile
 65 70 75 80

Gly Asp Leu Phe Asn Gly Arg Tyr His Val Ile Arg Lys Leu Gly Trp
 85 90 95

Gly His Phe Ser Thr Val Xaa Val Ile Met Gly Tyr Ser Ser
 100 105 110

<210> 1243

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<220>
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<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1243

Xaa Thr Ile Xaa Glu Glu Xaa Val Pro Leu Xaa Val Pro Val Arg Asn
1 5 10 15

Ser Arg Val Asp Pro Arg Val Arg Tyr Asp Asn Leu Ile Thr Pro Ala
20 25 30

Met Xaa Gly Ala Gly Xaa Leu Gln Gly Asn Val Asp Ser Cys Gln Gly
35 40 45

Asp Xaa Gly Gly Pro Leu Val Thr Ser Lys Asn Asn Ile Trp Xaa Leu
50 55 60

Ile Gly Asp Thr Ser Trp Gly Ser Gly Xaa Ala Lys Ala Tyr Arg Pro
65 70 75 80

Gly Val Tyr Gly Asn Xaa Met Xaa Phe Thr Asp Trp Xaa Xaa Arg Gln
85 90 95

Met Arg Ala Asp Gly
100

<210> 1244

<211> 80

<212> PRT

<213> Homo sapiens

<400> 1244

Gly Val Tyr Thr Met Ser Lys Ala His Pro Pro Glu Leu Lys Lys Phe
1 5 10 15

Met Asp Lys Lys Leu Ser Leu Lys Leu Asn Gly Gly Arg His Val Gln
20 25 30

Gly Ile Leu Arg Gly Phe Asp Pro Phe Met Asn Leu Val Ile Asp Glu
35 40 45

Cys Val Glu Met Ala Thr Ser Gly Gln Gln Asn Asn Ile Gly Met Val
50 55 60

Val Ile Arg Gly Asn Ser Ile Ile Met Leu Glu Ala Leu Glu Arg Val
65 70 75 80

<210> 1245

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1245

Phe Ile Met Asn Leu Ser Ser Glu Glu Ile Gln Gln Arg Ala His
 1 5 10 15

Gln Ile Thr Asp Glu Ser Leu Glu Ser Thr Arg Arg Ile Leu Gly Leu
 20 25 30

Ala Ile Glu Ser Gln Asp Ala Gly Ile Lys Thr Ile Thr Met Leu Asp
 35 40 45

Glu Gln Lys Glu Gln Leu Asn Arg Ile Glu Glu Gly Leu Asp Gln Ile
 50 55 60

Asn Lys Asp Met Arg Glu Thr Glu Lys Thr Leu Thr Glu Leu Asn Lys
 65 70 75 80

Cys Cys Gly Leu Cys Val Cys Pro Cys Asn Arg Thr Lys Asn Phe Glu
 85 90 95

Ser Gly Lys Ala Tyr Lys Thr Thr Trp Gly Asp Gly Gly Glu Asn Ser
 100 105 110

Pro Cys Asn Val Val Ser Lys Gln Pro Gly Pro Val Thr Asn Gly Xaa
 115 120 125

Leu

<210> 1246

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1246

Ser Thr Glu Gly Tyr Gly Cys Glu Lys Thr Thr Glu Gly Tyr Gly Cys
 1 5 10 15

Glu Lys Thr Thr Glu Gly Gly Ser Met Ala Tyr Pro Gly His Pro Gly
 20 25 30

Ala Gly Gly Gly Tyr Tyr Pro Gly Gly Tyr Gly Gly Ala Pro Gly Gly
 35 40 45

Pro Ala Phe Pro Gly Gln Thr Gln Asp Pro Leu Tyr Gly Tyr Phe Ala
 50 55 60

Ala Val Ala Gly Gln Asp Gly Gln Ile Asp Ala Asp Glu Leu Gln Arg
 65 70 75 80

Cys Leu Thr Gln Ser Gly Ile Ala Gly Gly Tyr Lys Pro Phe Asn Leu
 85 90 95

Glu Thr Cys Arg Leu Met Val Ser Met Leu Asp Arg Asp Met Ser Gly
 100 105 110

Thr Met Gly Phe Asn Glu Phe Lys Glu Leu Trp Ala Val Leu Asn Gly
 115 120 125

Trp Arg Gln His Phe Xaa Asn Phe
 130 135

<210> 1247

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1247
 His Ser Gly Gly Pro Xaa Arg Pro Ala Val Ala Asp Val Gly Leu Gly
 1 5 10 15
 Gly Arg Ala Arg Arg Arg Xaa Pro Thr Gly Ala Ser Thr Trp Gly Thr
 20 25 30
 Ser Xaa Arg Arg Ala Arg Glu Gly Thr Trp Xaa Asp Leu Phe Tyr Lys
 35 40 45
 Tyr Xaa Arg Ile Arg Glu Ile Glu Leu Lys Asn Arg Xaa Xaa Ser Ser
 50 55 60
 Cys Arg Pro Ser Cys Ala Ser Arg Asn Pro Arg Asp Ala Xaa Asp Ala
 65 70 75 80
 Ile Tyr Xaa Lys Lys Trp Leu

85

<210> 1248
<211> 112
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<222> (84)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1248

Xaa Ser Xaa Phe Gly Xaa Pro Ala Arg Arg Ser Gly Pro Glu Leu Pro

1

5

10

15

Gly Arg Pro Thr Arg Pro Ala Thr Ile Leu Lys Gln Met Gln Val Leu

20

25

30

His Pro Ala Ala Arg Met Leu Xaa Glu Leu Xaa Lys Ala Gln Asp Ile

35

40

45

Glu Ala Gly Asp Gly Thr Thr Ser Xaa Xaa Ile Ile Ala Gly Ser Leu

50

55

60

Leu Asp Ser Xaa Thr Lys Leu Leu Gln Lys Gly Ile His Pro Thr Ile

65

70

75

80

Ile Ser Glu Xaa Phe Gln Lys Ala Leu Glu Lys Gly Ile Glu Xaa Leu

85

90

95

Thr Asp Met Xaa Arg Pro Xaa Glu Leu Xaa Asp Arg Glu Thr Leu Val

100

105

110

<210> 1249

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1249

Lys Phe Met Asn Ser Arg Val Phe Lys Lys Ile Gln Ala Leu Lys Ala

1

5

10

15

Ser Pro Ser Lys Lys Arg Cys Asn Ser Ile Ala Ala Leu Lys Ala Thr

20

25

30

Ser Gln Glu Ile Val Ser Ser Ile Ser Gln Glu Trp Lys Asp Glu Lys

35

40

45

Arg Asp Leu Leu Thr Glu Gly Gln Ser Phe Ser Ser Leu Asp Glu Glu

50

55

60

Ala Leu Gly Ser Arg His Arg Pro Asp Leu Val Pro Ser Thr Pro Ser

65

70

75

80

Leu Phe Glu Ala Ala Ser Leu Ala Thr Thr Ile Ser Leu Leu Pro Ile

85

90

95

Arg Gln Trp Ala Leu Ser Thr Arg Gln Gly Leu Gln Phe Xaa Gln Thr

100

105

110

Arg

<210> 1250

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (24)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1250

Gly Xaa His Val Phe Arg Asn Ile His Lys Thr Asn Leu Cys Asp Leu

1

5

10

15

Ile Thr Ser Leu Leu Cys Leu Xaa Val Leu Leu Pro Thr Lys Glu Leu

20

25

30

Asn Glu His Phe Xaa Ser Lys Leu Lys Ala Pro Ile Pro Ile Glu Leu

35

40

45

Val Val Val Val Xaa Ala Thr Leu Thr Ser His Phe Gly Lys Leu His

50

55

60

Glu Asn Tyr Asn Ser Ser Ile Ala Gly His Xaa Pro

65

70

75

<210> 1251

<211> 151

<212> PRT

<213> Homo sapiens

<400> 1251

Leu Val Ser Asn Gly Pro Ala Asp Thr Leu Asp Leu Thr Tyr Trp Ile

1

5

10

15

Asp Gly Thr Arg His Val Val Ser Leu Glu Asp Val Gly Leu Ala Asp

20

25

30

Ser Gln Trp Lys Asn Val Thr Val Gln Val Ala Gly Glu Thr Tyr Ser

35

40

45

Leu His Val Gly Cys Asp Leu Il Asp Ser Phe Ala Leu Asp Glu Pro

50

55

60

Phe Tyr Glu His Leu Gln Ala Glu Lys Ser Arg Met Tyr Val Ala Lys
65 70 75 80

Gly Ser Ala Arg Glu Ser His Phe Arg Gly Leu Leu Gln Asn Val His
85 90 95

Leu Val Phe Glu Asn Ser Val Glu Asp Ile Leu Ser Lys Lys Gly Cys
100 105 110

Gln Gln Gly Gln Gly Gly Arg Cys Val Val Lys Asn Ala Phe Tyr Ile
115 120 125

Leu Ala Trp Met Asp Phe Tyr Cys Asp Met Val Tyr Val Cys Val Cys
130 135 140

Met Cys Val His Ser Cys Leu
145 150

<210> 1252
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1252
Lys Asn Gly Thr Ser Leu Cys Phe Ser Ser Ala Thr Met Ser Asp Lys
1 5 10 15

Pro Asp Met Ala Glu Ile Glu Lys Phe Asp Lys Ser Lys Leu Lys Lys
20 25 30

Thr Glu Thr Gln Glu Lys Asn Pro Leu Pro Ser Lys Glu Thr Ile Glu
35 40 45

Gln Glu Lys Gln Ala Gly Glu Ser
50 55

<210> 1253
<211> 74
<212> PRT
<213> Homo sapiens

<220>
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<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1253

Ala Glu Gly Pro Xaa Ala Ala Ala Leu Leu Leu Ser Leu Leu Leu Phe
1 5 10 15

Gly Phe Thr Leu Val Xaa Gly Thr Gly Ala Glu Lys Thr Gly Val Xaa
20 25 30

Pro Glu Leu Gln Ala Ala Pro Ala Thr Xaa Xaa Xaa Xaa Cys Val Leu
35 40 45

Xaa Asn Ser Glu Met Xaa Arg Thr Thr Ser Lys Xaa Leu Xaa Gly Gly
50 55 60

Xaa Val Xaa Pro Ser Ala Ser Leu Pro Gln
65 70

<210> 1254

<211> 129

<212> PRT

<213> Homo sapiens

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<222> (94)

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<400> 1254

Ser	Pro	Ala	Arg	Pro	Leu	Ile	Arg	Ser	Asp	Lys	Met	Lys	Glu	Thr	Ile
1				5					10					15	

Met	Asn	Gln	Glu	Lys	Leu	Ala	Lys	Leu	Gln	Ala	Gln	Val	Arg	Ile	Gly
			20					25					30		

Gly	Lys	Gly	Thr	Ala	Arg	Arg	Lys	Lys	Lys	Val	Val	His	Arg	Thr	Ala
	35						40					45			

Thr	Ala	Asp	Asp	Lys	Lys	Leu	Gln	Phe	Ser	Leu	Lys	Lys	Leu	Gly	Val
	50					55					60				

Asn	Asn	Ile	Ser	Gly	Ile	Glu	Glu	Val	Asn	Met	Phe	Thr	Asn	Gln	Gly
65					70					75				80	

Thr	Val	Ile	His	Phe	Asn	Asn	Pro	Lys	Val	Gln	Ala	Ser	Xaa	Ala	Ala
				85					90					95	

Asn	Thr	Phe	Thr	Ile	Thr	Gly	His	Ala	Glu	Thr	Lys	Xaa	Leu	Thr	Xaa
			100					105					110		

Met	Leu	Pro	Xaa	Ile	Leu	Asn	Gln	Xaa	Gly	Ala	Asp	Xaa	Leu	Thr	Lys
			115				120					125			

Phe

<210> 1255

<211> 188

<212> PRT

<213> Homo sapiens

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 <400> 1255
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 1 5 10 15

 Pro Arg Val Arg Met Thr Val Pro Gly Ala Ser Pro Glu Asp Xaa Trp
 20 25 30

 Val Lys Val Glu Tyr Ala Tyr Ser Asp Asn Ser Leu Asp Pro Gly Leu
 35 40 45

 Phe Val Glu Ser Thr Arg Lys Gly Ser Val Val Ser Arg Ala Asn Ser
 50 55 60

 Ile Gly Ser Thr Ser Ala Ser Ser Val Pro Asn Thr Asp Asp Glu Asp
 65 70 75 80

 Ser Asp Tyr His Gln Glu Ala Tyr Lys Glu Ser Tyr Lys Asp Arg Arg
 85 90 95

 Arg Arg Xaa Thr His Xaa Arg Leu Glu Gln Lys Arg Arg Asp Ala Ile
 100 105 110

Lys Arg Gly Tyr Asp Asp Leu Gln Thr Ile Val Pro Thr Cys Gln Gln
 115 120 125

Gln Asp Phe Ser Ile Gly Ser Gln Lys Leu Ser Lys Ala Ile Val Tyr
 130 135 140

Lys Arg Pro Leu Thr Thr Phe Ser Phe Cys Thr Arg Arg Arg Lys Ser
 145 150 155 160

Arg Arg Arg Arg Xaa His Val Thr Gln Gly Cys Thr Gly Leu Lys Ile
 165 170 175

Met Lys Val Asn Tyr Glu Xaa Ile Val Lys Ala Xaa
 180 185

<210> 1256

<211> 66

<212> PRT

<213> Homo sapiens

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<222> (17)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1256

Leu Pro Cys Val Lys Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg
 1 5 10 15

Xaa Arg Ala Arg Met Leu Asn Leu Leu Leu Xaa Ala Leu Ala Val Leu
20 25 30

Ala Ser Arg Ala Tyr Ala Xaa Pro Ala Pro Gly Gln Ala Leu Gln Arg
35 40 45

Val Gly Ile Val Gly Gly Xaa Glu Ala Pro Arg Ser Lys Trp Pro Trp
50 55 60

Xaa Val
65

<210> 1257

<211> 146

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1257

Gly Xaa Glu Gly Lys Xaa Phe Ser Val Ser Gly Xaa Trp Ser Ser Thr

1

5

10

15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn

20

25

30

Ser Ala Arg Ala Ala Gln Gln Arg Leu Thr Leu Cys Leu Arg Gly Arg

35

40

45

Glu Ser Pro Gly Gly Arg His Gly Gly Val Gly Glu Pro Ala Gln Glu

50

55

60

Asn Gly Val Gln Val Phe Asn Asp Gly Ser Ser Arg Glu Leu Met Asn

65

70

75

80

Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg Gly Asn Thr Tyr Asn Ile

85

90

95

Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr Pro Tyr Asn Pro Pro Ile

100

105

110

Cys Phe Val Lys Pro Thr Ser Ser Met Thr Ile Lys Thr Gly Lys His

115

120

125

Val Asp Xaa Pro Lys Lys Xaa Gly Gly Xaa Lys Lys Gly Lys Ile Leu

130

135

140

Xaa Phe

145

<210> 1258

<211> 35

<212> PRT

<213> Homo sapiens

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<400> 1258
Xaa Ile Pro Pro Asp His Gln Thr Leu Ile Phe Ala Gly Lys His Leu
1 5 10 15
Glu Asn Gly Xaa Xaa Leu Ser Asp Tyr Xaa Xaa His Lys Glu Ser Xaa
20 25 30
Leu His Leu
35

<210> 1259
<211> 73
<212> PRT
<213> Homo sapiens

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<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1259

Val Lys Val Cys Met Met Met Xaa Leu Leu Xaa His Arg Leu Leu Lys
1 5 10 15

Trp Ser Trp Ile Val Arg Ser Lys Leu Leu Leu Gln Asp Pro Pro Val
20 25 30

Thr Tyr Ile Gln Gln Phe Ala Asp Ala Ala Xaa Asn Leu Thr Ser Xaa
35 40 45

Asp Ser Glu Lys Trp Asn Ser Val Phe Pro Lys Pro Gly Thr Leu Val
50 55 60

Gln Val Leu Glu Ala Ala Lys Phe Ala
65 70

<210> 1260

<211> 95

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1260

Leu Cys Ser Thr Xaa Xaa Xaa Arg His Asn Ile Gln Lys Glu Leu Cys
1 5 10 15

Leu His Ala Ala Gln Gly Leu Ala Gln Leu Lys Ala Cys Thr Tyr Lys
20 25 30

Gly His Lys Thr Gly Xaa Thr Xaa Glu Xaa Ile Trp Glu Ile Gln Lys
35 40 45

Asp Gln Leu Xaa Tyr Tyr Pro Phe Leu Lys Met Cys Leu Ser Ala Asn
50 55 60

Xaa Glu His Xaa Ser Leu Val Asp Ala Thr His Xaa Asn His Ser Xaa
65 70 75 80

Asn Gly Tyr Leu Ala Lys Met Ile Lys Arg Ser Leu Lys Leu Thr
85 90 95

<210> 1261
 <211> 94
 <212> PRT
 <213> Homo sapiens

<220>
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1261
 Phe Gly Thr Arg Lys Arg Met Glu Thr Lys Gly Ala Gly Val Thr Leu
 1 5 10 15
 Asn Val Leu Glu Met Thr Ser Glu Asp Leu Glu Asn Ala Leu Lys Ala
 20 25 30
 Val Ile Asn Asp Lys Ser Tyr Lys Glu Asn Ile Xaa Arg Leu Ser Ser
 35 40 45
 Leu His Lys Asp Arg Pro Val Glu Pro Leu Asp Leu Ala Val Phe Trp
 50 55 60
 Val Glu Phe Val Met Arg His Lys Gly Ala Pro His Leu Arg Pro Ala
 65 70 75 80
 Pro His Gly Pro His Xaa Val Pro Val Pro Xaa Pro Trp Pro
 85 90

<210> 1262
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 1262
 Gly Thr Gly Gln His Trp His Ser Gln Ala Val Gly Lys Gly Arg Asp

1 5 10 15
 Ala Glu Val Val Ser Ile Leu Thr Phe Arg Gly Leu Phe Leu Phe Val
 20 25 30
 Leu Ile Phe Ala Arg Leu Ile Leu Lys Thr His Val Glu Glu Leu Lys
 35 40 45
 Glu Cys Leu Glu Asp Gln Lys Ser Pro Met Thr Gly Thr Lys Ala Thr
 50 55 60
 Asn Phe
 65

<210> 1263

<211> 121

<212> PRT

<213> Homo sapiens

<220>

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<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1263

Asn Thr Met Ala Val Ala Ala Val Lys Trp Val Met Ser Lys Arg Thr
 1 5 10 15
 Ile Leu Lys His Leu Phe Pro Val Gln Asn Gly Ala Leu Tyr Cys Val
 20 25 30
 Cys His Lys Ser Thr Tyr Ser Pro Leu Pro Asp Asp Tyr Asn Cys Asn
 35 40 45
 Val Glu Leu Ala Leu Thr Ser Asp Gly Arg Thr Ile Val Cys Tyr His
 50 55 60
 Pro Ser Val Asp Ile Pro Tyr Glu His Thr Lys Pro Ile Pro Arg Xaa
 65 70 75 80
 Asp Pro Val His Asn Asn Glu Glu Thr His Asp Gln Val Leu Lys Thr
 85 90 95
 Arg Leu Glu Glu Lys Val Glu His Leu Glu Glu Gly Pro Met Ile Glu
 100 105 110
 Gln Leu Ser Lys Met Phe Leu Tyr Tyr
 115 120

<210> 1264
<211> 101
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1264
Val Ala Ser Gly Val Gly Arg Val Thr Val Asn Ala Tyr Val Ser Leu
1 5 10 15
Phe Tyr Thr Ile Lys Arg Ala Gln Val Val Ser Pro Glu Arg Val Gly
20 25 30
Ser Trp His Ile Gly Arg Pro Ser Asp Pro Val Gln Cys Leu Leu Ala
35 40 45
Ile Leu Pro Glu Gln Ala Leu Lys Pro Lys Ser His Pro Arg Pro Val
50 55 60
Ser Ala Xaa Ala Lys Ala Ser Leu Ser Ser Gly Arg Arg Gly Lys Gly
65 70 75 80
Ala Gly Asp Gln Ala Leu Ala Leu Gly Pro Ser Phe Ser Pro His Xaa
85 90 95
Gly Asn Lys Xaa Xaa
100

<210> 1265

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1265

Asp Leu Leu Met Lys Met Thr Ile Ser Cys Cys Phe Tyr Pro Thr Ser
1 5 10 15

Ala Phe Ser Pro Phe Lys Ala Ala Val Ser Cys Leu Ile Lys Glu Tyr
20 25 30

Trp Pro Val Leu Gln Ile Leu Thr Gly Phe Gly
35 40

<210> 1266

<211> 29

<212> PRT

<213> Homo sapiens

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1266

Gly Ser Trp Pro Gly Ala Xaa Gly Xaa Arg Asp Gly Ser His Gly Xaa
1 5 10 15

Arg Leu Xaa Ala His Gly Pro Ile Asn Leu Glu Arg Ile
20 25

<210> 1267
<211> 59
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1267

Xaa Pro Xaa Phe Xaa Gln Glu Leu Ile Gln Asn Phe Pro Asp Lys Xaa
 1 5 10 15
 Asn Leu Xaa Leu Val Phe Leu Leu Phe Phe Val Leu Val Asn Leu Gly
 20 25 30
 Ser Asn Val Ile Arg Asn Ser Leu Trp Xaa Xaa Ala Thr Asp Ala Gln
 35 40 45
 Pro Val Xaa Val Asp Tyr Ser Ser Ser Asn Xaa
 50 55

<210> 1268

<211> 49

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1268

Val Phe Lys Lys Asn Met Ser Cys Xaa Leu Ser Lys Asn Lys Met His
 1 5 10 15
 Leu Asn Ser Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Gly Arg
 20 25 30

Gly Lys Lys Lys Xaa Glu Xaa Glu Xaa Leu Lys Lys Gly Arg Gly Ala
35 40 45

Pro

<210> 1269

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1269

Pro Thr Leu Pro Glu Glu Asn Ser Val Phe Phe Thr Phe His Thr Val
1 5 10 15

Phe Pro Met Arg Glu Gly Ala Gln Pro Glu Ser Thr Thr Ile Met Val
20 25 30

Lys Phe Pro Thr Glu Ser Ser Cys Glu Trp Ile Ile Arg Lys Asn Glu
35 40 45

Glu Ser Lys Arg Gln Lys Ser Lys Asn Arg Trp Gly Leu
50 55 60

<210> 1270

<211> 29

<212> PRT

<213> Homo sapiens

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<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1270

Asn Ile Asn Lys Asp His Leu Met His Ala Phe Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Xaa Xaa
 20 25

<210> 1271

<211> 113

<212> PRT

<213> Homo sapiens

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<222> (37)

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<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1271

Gly Pro Lys Glu Glu Leu Arg Gly Gly Gly Gly Asp Met Ala Asp Leu
 1 5 10 15

Pro Arg Arg Val Thr Arg Pro Leu Met Met Gly Leu Gln Gly Ser Ser

20 25 30
Gly Leu Xaa Ala Xaa Thr Val Gln Arg Lys Arg Ala Gly Ile Val Thr
35 40 45
Gly Ser Asp Gly Xaa His Arg Ser Glu Arg Glu Xaa Ala Gly Thr Gly
50 55 60
Ile Val Thr Val Thr Val Thr Ala Ser Thr Asn Gly Gly Ser Gly Ala
65 70 75 80
Xaa Xaa Arg Gly Arg Asp Glu Ala Arg Ser Trp Gly Arg Trp Pro Gly
85 90 95
Gln Arg Val Gly Arg Phe Gly Gln Arg Gln Pro Arg Ile Leu Xaa Glu
100 105 110

Phe

<210> 1272

<211> 87

<212> PRT

<213> Homo sapiens

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<222> (8)

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<222> (14)

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1272

Gly	Lys	Ser	Asn	Val	Leu	Trp	Xaa	Gln	Arg	Arg	Gly	Arg	Xaa	Gln	His
1				5				10						15	

Leu	Ala	Trp	Xaa	Ser	Gln	Gly	Thr	Gln	Xaa	Arg	Ser	Pro	Pro	Gly	His
			20					25						30	

Asn	Thr	Xaa	Lys	Ala	Ser	Tyr	Ser	Gly	Val	Glu	Ser	Phe	Gln	Gln	Pro
			35				40					45			

Gly	Pro	Val	Leu	Gly	Xaa	Tyr	Ser	His	Pro	Pro	Tyr	Arg	Cys	Val	Tyr
	50					55					60				

Val	Thr	Leu	Cys	His	Xaa	Xaa	Ser	Xaa	Thr	Ile	Xaa	Asn	Ser	Gln	Glu
65					70					75					80

Ser	Pro	His	Phe	Tyr	Asn	Leu
					85	

<210> 1273

<211> 115

<212> PRT

<213> Homo sapiens

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<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1273

His Lys Ala Pro Leu Glu His Leu Pro Gly Trp Gln Asp His Ala Ile
 1 5 10 15

Ser Val Glu Lys Val Leu Gly Arg Glu Val Leu Pro Val Pro His Gly
 20 25 30

Val Arg Pro Cys Pro Cys Trp Gly Leu Trp Gly Gly Ile Trp Tyr Ser
 35 40 45

Gly Gly Leu Ala Gln Leu Ser Leu Arg Ser Phe Pro Ile Arg Met Leu
 50 55 60

Val Asn Ile Leu Arg Ser Ser Leu Phe Ser Asn Lys Glu Tyr Ser Phe
 65 70 75 80

Asn Ser Cys Ser Ser Ser Gln Phe Thr Thr Pro Ile Cys Leu Ser Lys
 85 90 95

Ile His Pro Asn Gly Ile Xaa Gly Xaa Gly Pro Pro Trp Ile Gln Ser
 100 105 110

Val Ser Trp
 115

<210> 1274

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1274

Glu Leu Val Ser Ser Phe Phe Phe Phe Phe Phe Leu Phe Phe Gly Ser
 1 5 10 15

Phe Lys Gly Asn Gly Pro Ser Met Ser Ile Phe Asn Ile Leu His Ser
 20 25 30

Leu Phe Leu Trp Cys

35

<210> 1275
<211> 107
<212> PRT
<213> Homo sapiens

<220>
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<400> 1275

Asp	Cys	Gly	Thr	Leu	Ile	Ile	Tyr	His	Ala	Gly	Ser	Pro	Gln	Lys	Pro
1				5					10					15	

Cys	Ala	His	Glu	Pro	Leu	Trp	Ala	Xaa	Gly	Glu	Lys	Arg	Gly	Leu	Arg
			20					25						30	

Glu	Leu	Pro	Glu	Arg	Ala	Val	Ser	Trp	Glu	Gln	Gly	Asp	Ile	Ser	Ser
		35					40					45			

Pro	Xaa	Thr	Arg	Asn	Met	Thr	Gln	Xaa	Xaa	Gly	Asn	Lys	Lys	Pro	Ser
		50				55					60				

Pro	Xaa	Xaa	Xaa	Gly	Gly	Ala	Arg	Pro	Leu	Lys	Ser	Thr	Met	Xaa	Ala
	65				70					75					80

Gly	Gly	Ile	Xaa	Val	Lys	Xaa	Ser	Gly	Phe	Xaa	Lys	Asp	His	Ile	Phe
				85					90					95	

Phe Ser Gln Phe Xaa Xaa Pro Xaa Phe Xaa Cys
100 105

<210> 1276

<211> 85

<212> PRT

<213> Homo sapiens

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<400> 1276

Ile Asn Lys Ile Cys Xaa Asn Leu Tyr Pro Leu Leu Trp His Phe Xaa

1

5

10

15

Xaa Ile Ile Xaa Ala Arg Lys Met Xaa Xaa Asn Xaa Gly Pro Gly Xaa

20

25

30

Glu Gly Lys Glu Pro Phe Leu Val Ala Gly Asn Cys Val Gly Lys Glu

35

40

45

Val Gln Ile Cys Ala Tyr Glu Ile Ser Arg Asn Arg Trp Asn Xaa Thr

50

55

60

Pro Met Gln Leu Leu Leu Xaa Xaa Lys Gln Gly Ala Trp Ser Asn Gly

65

70

75

80

Xaa Thr Leu Cys Leu

85

<210> 1277

<211> 40

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<213> Homo sapiens

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<400> 1277

Trp Val Tyr Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met
1 5 10 15

Cys Cys Cys His Gly Asn Pro Ala Gln Tyr Glu Arg Asn Arg Arg Phe
20 25 30

Xaa His Leu Val Tyr Val Leu Gly
35 40

<210> 1278

<211> 65

<212> PRT

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<400> 1278

Asn Tyr His Ser Gly Gly Pro Xaa Lys Thr Pro Ala Gly Asp His Leu
1 5 10 15

Ala Xaa Trp Leu Lys Pro Pro Val Ser Ile Ser Lys Phe Xaa Pro Lys
20 25 30

Glu Gly Val Gly Xaa Lys Ile Trp Gly Asn Leu Ser Pro Phe Xaa Phe
35 40 45

Phe Pro Gly Thr Pro Pro Leu Xaa Gly Glu Thr Leu Ala Arg Gly Xaa
50 55 60

Xaa
65

<210> 1279

<211> 28

<212> PRT

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Val Ile Ala Asp Cys Ile Ala Leu Phe Leu Xaa Arg Leu Ser Ile Leu
1 5 10 15

Ile Gln Lys Val Ser Ile Phe Xaa Asn His Glu Ile
20 25

<210> 1280

<211> 22

<212> PRT

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<400> 1280

Tyr	Glu	Gly	His	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe
1				5				10						15	

Phe	Xaa	Pro	Pro	Pro	Xaa
					20

<210> 1281

<211> 49

<212> PRT

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<400> 1281

Xaa	Xaa	Leu	Lys	Asp	Thr	Cys	Leu	Lys	Ala	Glu	Met	Glu	Ala	Xaa	Cys
1				5					10					15	

Xaa	Arg	Arg	Ile	Leu	Cys	Xaa	Asn	Leu	Ala	Met	Cys	Phe	Pro	Cys	Xaa
			20					25						30	

Trp	Ala	Asp	Glu	Cys	Leu	Leu	Asn	Asp	Glu	Ile	Leu	Thr	Ser	Lys	Gly
		35					40					45			

Gly

<210> 1282

<211> 86

<212> PRT

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<400> 1282

His Glu Pro Ala Ser Leu Ser Pro Ala Ala Trp Ala Arg Lys Val Cys
1 5 10 15

Gly Ser Phe Ser Gly Ser Asp Phe Xaa Thr Glu Leu His Arg Pro Thr
20 25 30

Xaa Leu Ser Pro Xaa Gly Leu Gln Gly Pro Gly Ser Arg Pro Lys Pro
35 40 45

Xaa Lys Ser Lys Thr Ser Leu Glu Lys Phe Arg Asp Arg Pro Gly Glu
50 55 60

Met Gly Xaa Arg Tyr Gly Val Ser His Leu Thr Pro Glu Asp Ala Xaa
65 70 75 80

Phe Ser Leu Gln Gly Ala
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<210> 1283

<211> 91

<212> PRT

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<400> 1283

Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala
1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Ala Cys Pro Arg
20 25 30

Arg Arg Ala Ala Pro Pro Ser Thr Arg Pro Ala Arg Ala Gly Gly Arg
35 40 45

Val Pro Arg Arg Ala Pro Gly Pro Gly Ser Gly Ala Glu Cys Pro Ser

50 55 60

Ser Trp Glu Thr Gly Pro Gly Trp Lys Gly Gly Arg Leu Glu Asp Pro
65 70 75 80

Ser Leu Arg Thr Arg Ala Cys Xaa Ala Ile Xaa
85 90

<210> 1284

<211> 61

<212> PRT

<213> Homo sapiens

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<400> 1284

Xaa Glu Xaa Ala Gly Lys Ala Ser Thr Pro Ala Gly Thr Gly Pro Glu
1 5 10 15

Phe Pro Gly Leu Pro Thr Phe Pro His Arg Cys Ser Tyr Xaa Tyr Met
20 25 30

Gln Asn Ile Cys Gln Ala Leu Cys Gln Leu Ser Cys Thr Tyr Gly Ile
35 40 45

Glu Thr Met Glu Leu Gly Thr Ser Trp Ile Phe Phe Leu
50 55 60

<210> 1285

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1285

Leu Thr Lys Ser Phe Lys Ile Phe Cys Asp Asn Val Leu Ile Glu Ala
1 5 10 15
Tyr Ile Ile Leu Gln Phe Leu Glu Ser Lys Met Met Tyr Pro Leu Arg
20 25 30
Ile Tyr Thr Ser Cys Phe Ile Gly Leu Arg Gly Leu Ile Phe Ile Arg
35 40 45
Arg Asp Leu Leu Val Phe Thr Ile Cys Pro Leu Ser Trp His Val
50 55 60

<210> 1286

<211> 35

<212> PRT

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<400> 1286

Ser Leu Tyr Pro Ile His Met Leu Phe Lys Asn Xaa Ala Ile Thr Lys
1 5 10 15

Lys Gln Ile Met Val Phe Phe Arg Asn Leu Ile Xaa Val Tyr Ser Thr
20 25 30

Lys Tyr Phe
35

<210> 1287

<211> 73

<212> PRT

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<400> 1287

Xaa	Glu	Gly	Val	Gly	Phe	Xaa	Xaa	Val	Asp	Gly	Gly	Gly	Glu	Gly	Arg
1				5				10					15		

Pro	Pro	Glu	Leu	Xaa	Leu	Met	Gln	Ser	Phe	Leu	Ala	Met	Xaa	Asn	Leu
		20				25						30			

Ser	Val	Ile	Val	Leu	Ile	Ile	Lys	Phe	Xaa	Val	Phe	Lys	Lys	Xaa	Xaa
	35					40					45				

Xaa	Leu	Ser	Xaa	Leu	Xaa	Phe	Xaa	Thr	Pro	Trp	Lys	Val	Pro	Xaa	Gly
	50				55					60					

Gly	Gly	Ala	Gln	Ser	Xaa	Trp	Phe	Ser
65					70			

<210> 1288

<211> 77

<212> PRT

<213> Homo sapiens

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<400> 1288

Gly Gln Met Leu Ile Phe Cys Leu Gln Lys Lys Leu Gly Phe Pro Lys
1 5 10 15

Gln Phe Tyr Tyr Pro Val His Asn Ser Phe Thr Gln Xaa Ser Ser His
20 25 30

Gly Ile His Gly Ser Xaa Ser Phe Xaa Leu Pro Asp Gly Arg Asn Lys
35 40 45

Ile Ile His Phe Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60

Lys Arg Xaa Ala Xaa Xaa Glu Asp Pro Ser Xaa Arg Xaa
65 70 75

<210> 1289

<211> 27

<212> PRT

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<400> 1289

Ala	Arg	Thr	Ala	Xaa	Ala	Xaa	Glu	Gly	Val	Arg	Xaa	Trp	Asp	Leu	Thr
1				5					10					15	

Val	Gly	Pro	Ile	Ser	Leu	Phe	Ser	Ala	Leu	Leu
				20				25		

<210> 1290

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1290

Asn	Ser	Ala	Arg	Ala	His	Leu	His	Leu	Pro	His	Ser	Pro	Pro	Leu	Leu
1				5					10					15	

Val	Pro	Asp	Thr	Ser	Thr	Pro	Thr	Trp	Ser	Ser	Pro	Ile	Ala	His	Lys
			20					25					30		

Arg	Gly	Gly	Thr	Arg	Asp	Glu	Leu	Ser
			35				40	

<210> 1291

<211> 93

<212> PRT

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<400> 1291

Ser Arg Arg Pro Gly Pro Arg Gly Leu Val Xaa Ala Ser Gly Arg Gly
1 5 10 15

Pro Gly Ser Ser Gln Ser Phe Pro Ser Pro Asn Asp Val Ala Phe Phe
20 25 30

Val Val Cys Phe Arg Xaa Leu Lys Gln Pro Arg Arg Arg Leu Tyr Trp
35 40 45

Leu Ser Ala Leu Ala Thr Ala Val Val Met Val Thr Gly Pro Asn Ser
50 55 60

Arg Trp Pro Lys Pro Thr Cys His Arg Ala Gly Ser Leu Val Gly Arg
65 70 75 80

Xaa Gln Ala Arg Gly Xaa Ala Xaa Ala Glu His Ser Phe
85 90

<210> 1292

<211> 130

<212> PRT

<213> Homo sapiens

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<400> 1292

Gln Ala Ala Glu Pro Lys Glu Phe Ala Pro Arg Cys Gly Pro Thr Trp
1 5 10 15

Leu Gly Pro Cys Pro Gly Arg Val Ile Leu Cys Ser Glu Ala Ile Ser
20 25 30

Gly Thr Gly Pro Pro Arg Pro Thr Pro Pro Glu His Gly Ser Arg Leu
35 40 45

Pro Gln Pro Ser Trp Leu Arg Arg Leu Ser Glu Pro Arg Gly Gly Leu
50 55 60

Glu Gly Arg Phe Val Cys Arg Asp Gly Ala Arg Ala Gln Val Leu Asp
65 70 75 80

Val Val Cys Ile Glu Arg Pro Lys Ala Gly Gly Lys Cys Thr Gly His
85 90 95

Lys Arg Ser Leu Ser Cys Asp Ala Gln Val Leu Arg Ser Gly Arg Xaa
100 105 110

Pro Ala Gly Ser Gly His Xaa Trp Val His Arg Gly Ala Phe Gln Thr
115 120 125

Asn Met

130

<210> 1293

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<400> 1293

Trp	Phe	Pro	His	Ser	Arg	Cys	Phe	Xaa	Ile	Arg	Ile	Arg	Val	Leu	Leu
1				5					10					15	

Glu	Arg	Xaa	Ser	Cys	Ser	Xaa	Tyr	Arg	Ile	Val	Val	Val	Xaa	Phe	
			20					25						30	

<210> 1294

<211> 35

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<400> 1294

Gly	Gly	Xaa	Val	Pro	Asn	Cys	Pro	Tyr	Ser	Glu	Cys	Val	Leu	Gln	Leu
1				5					10					15	

Thr Gly Xaa Trp Xaa Tyr Xaa Val Val Asp Trp Glu Lys Xaa Trp Gly

20

25

30

Tyr Pro Thr

35

<210> 1295

<211> 84

<212> PRT

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<400> 1295

Phe Gln Phe Ala Asn Arg Thr Asn Thr Gly Glu Asn Leu Pro Lys Thr

1

5

10

15

Leu Val Ile Lys Tyr Ile Ser Ser Thr Phe Arg Ser Phe Phe Phe Trp

20

25

30

Asp Ser Val Ser Asn Lys Xaa Ile Lys Ile Lys Xaa Gly Xaa His Phe

35

40

45

Ala Val Ala Ala Val Gln Arg Thr Leu Leu Asn Leu Tyr Val Arg His
 50 55 60

Ser Met Leu Tyr Trp Gly Asn Leu Gly Arg Ser Xaa Val Phe Xaa Ile
 65 70 75 80

His Ile Xaa Ile

<210> 1296

<211> 35

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<400> 1296

Ser Xaa Asn Val Val Xaa Leu Pro Phe Val Lys Ala Pro Lys Xaa Arg
 1 5 10 15

Asn Pro Asn Leu Thr Cys Asn Thr Xaa Leu Thr Gln Asn Gly Ser Tyr
 20 25 30

Ile Xaa Leu
 35

<210> 1297
<211> 102
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1297

Gly Val Leu Ala Arg Ala Xaa Xaa Xaa Pro Gly Ala Ala Asp Gly Arg
1 5 10 15

Ala Arg Leu Cys Gly Pro Glu Val Gly Ala Xaa Xaa Ala Lys Val Ala
20 25 30

Gly Ala Ala Glu Pro Asp Glu Asp Gly Gly Arg Ser Gly Phe Gly Thr
35 40 45

Ala Glu Thr Thr His Arg Ala Ser Ala Trp Ala Arg Arg Ser Asp Ala
50 55 60

Val Val Pro Gly Arg His Ser Gly Arg His Arg Asp Gly Gln Lys Xaa
65 70 75 80

Arg Arg Val Phe Val Val Phe Val Ala Val Met Met Asn Xaa Leu His
85 90 95

Xaa Trp Leu Gln Val Xaa
100

<210> 1298

<211> 51

<212> PRT

<213> Homo sapiens

<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1298

Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys
1 5 10 15

Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Ser Leu Arg

20 25 30
Xaa Xaa His Ala Xaa Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Arg
35 40 45
Leu Ile Gln
50

<210> 1299

<211> 64

<212> PRT

<213> Homo sapiens

<220>

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1299

Arg Thr Xaa Gln Gly Glu Gly Gln Arg Arg Arg Pro Cys Lys Ser Xaa
1 5 10 15

Val Lys Lys Lys Lys Xaa Xaa Xaa Pro Xaa Tyr Arg Leu Glu Glu Val
20 25 30

Lys Asp Lys Asp Gly Lys Pro Leu Leu Xaa Lys Glu Ser Xaa Gly Thr
35 40 45

Ala Ser Thr His Gly Val Glu Asp Phe Leu Leu Gly Trp Leu Cys Val
50 55 60

<210> 1300

<211> 58

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1300

Lys Met Lys Leu Cys Arg Lys Cys Ser Pro Gln His Asp Xaa Glu Arg
1 5 10 15

Asn Ser Gly Thr Arg Phe Phe Pro Val Pro Leu Phe Ser Gln Gly Ser
 20 25 30

Ala Gly Ile Gln Gly Gln Arg Ile Ser Leu Pro Glu Cys Ala Lys Xaa
 35 40 45

Xaa Glu Lys Gly Asn Cys Leu Ser Leu Xaa
 50 55

<210> 1301

<211> 37

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1301

Thr Leu Val Gln Xaa Val Val Ser Gly Ala Ser Val Xaa Gly Lys Ser
 1 5 10 15

Pro Pro Tyr Xaa Lys Trp Asn Ser Pro Glu Pro Val Cys Glu Arg Xaa
 20 25 30

Thr Gly Val Xaa Ser
 35

<210> 1302

<211> 75

<212> PRT

<213> Homo sapiens

<400> 1302

Gln Glu Glu Ala Leu His Ile Leu Gly Phe Gln Pro Pro Phe Glu Asp
1 5 10 15

Ile Arg Phe Gly Pro Phe Thr Gly Asn Thr Thr Leu Met Arg Trp Phe
20 25 30

Arg Gln Ile Asn Asp His Phe His Val Lys Gly Cys Ser Tyr Val Leu
35 40 45

Tyr Lys Pro His Gly Lys Asn Lys Thr Ala Gly Glu Thr Ala Ser Gly
50 55 60

Ala Leu Ser Lys Leu Thr Arg Gly Ile Glu Arg
65 70 75

<210> 1303

<211> 26

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1303

Ala	Xaa	Xaa	His	His	Pro	Trp	Xaa	Xaa	Leu	Xaa	Trp	Glu	Arg	Phe	Arg
1				5					10					15	

Cys	Asn	Ile	Asn	Cys	Asp	Glu	Asp	Pro	Lys
			20					25	

<210> 1304

<211> 46

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<222> (31)

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<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1304

Gly	Arg	Val	Lys	Xaa	Phe	Xaa	Gly	Ala	Pro	Gly	Asn	Xaa	Ala	Asp	Xaa
1				5					10					15	

Xaa	Xaa	Phe	Arg	Thr	Gln	Met	Met	Asp	Leu	Glu	Leu	Ala	Met	Xaa	Arg
			20					25						30	

Gln	Asn	His	Gly	Leu	Ser	Ser	Tyr	Asp	Xaa	Gly	Gly	Xaa	Val
		35					40					45	

<210> 1305

<211> 70

<212> PRT

<213> Homo sapiens

<220>

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<222> (5)

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<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1305
Lys Ser Glu Gly Xaa Met Phe Cys Glu Thr Phe Ile Phe Leu Lys Glu
1 5 10 15

Lys Xaa Lys Gly Arg Pro Ile Ser Ser Gln Asp His Thr His Xaa Xaa
20 25 30

Gly Xaa Gly His Xaa Xaa Ser Met Ala Xaa Phe Val Lys Phe Gly Cys
35 40 45

Phe Xaa Asn Xaa Xaa Leu Xaa Lys Trp Met Trp Pro Lys Thr Phe Xaa
50 55 60

Leu Gly Trp Xaa Gly Lys
65 70

<210> 1306

<211> 45

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1306

Xaa Leu Thr Val Lys Asp Ala Gly Gly Gln Xaa Ile Pro Gly Val Pro
1 5 10 15

Glu Xaa Ser Cys His Val Gly Val Lys Ala Glu Gly Ala Xaa Xaa Thr
20 25 30

Gln Xaa Asp Arg Gly Ala Arg Xaa Xaa Ser Gln Ala Phe
35 40 45

<210> 1307

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1307

Gln Ser Thr Arg Ala Glu Tyr Glu Ser Lys Ala Glu Gly Val Met Xaa
1 5 10 15

Gly Gln Ala Phe Arg Lys Phe Gln Gln Gly Ala Ala Gly Asn Met Lys
20 25 30

Gly Met Met Gly Ile Gln
35

<210> 1308

<211> 59

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1308
Xaa Val Ser Xaa Phe Arg Lys Pro Leu Xaa Cys Ala Asn His Ser Arg
1 5 10 15

Lys Xaa Asn Leu Tyr Leu Gly Tyr Asn Thr Thr Val Ser Tyr Val Thr
20 25 30

Xaa Ala Xaa Xaa Xaa Pro Leu Cys Xaa Xaa Xaa Xaa Ala Lys Xaa Xaa
35 40 45

Xaa Arg Lys Lys Gly Lys Arg Lys Thr Asn Xaa
50 55

<210> 1309
<211> 30
<212> PRT
<213> Homo sapiens

<220>
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<220>
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 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1309
 Gly Thr Arg Ser Leu Glu His Ala Ala Gly Leu Xaa Gly Leu Ser Gln
 1 5 10 15
 Val Cys Xaa Pro Arg Arg Xaa Ser Ala Arg Pro Val Gln Pro
 20 25 30

<210> 1310
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1310
 Ser Tyr Asn His Gly Thr Lys Asn Phe Ile Glu Ile Phe Lys His Leu
 1 5 10 15
 Ile Lys Leu Lys Leu Leu Phe Gln Met Phe Lys Phe Tyr His Pro Phe
 20 25 30
 Phe Ser His Glu Phe Leu Lys Asp Tyr Ala Leu Met Leu Xaa Ser Ile
 35 40 45
 Leu Leu Phe Leu Lys Ile Pro Gly Ile Phe Trp Tyr His Val Gln Pro
 50 55 60
 Thr Ser Leu
 65

<210> 1311
 <211> 99
 <212> PRT
 <213> Homo sapiens

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<222> (70)

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<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1311

Ser	Pro	Ser	Leu	Trp	Val	Val	Pro	Trp	Arg	Gly	Trp	Ser	Ser	Ser	Ser
1				5					10					15	

Ser	Ser	Pro	Thr	Ser	Ser	Ala	Gly	Arg	Gly	Val	Thr	Gln	Ala	Thr	Arg
			20					25					30		

Leu	Ser	Ser	Leu	Val	His	Ala	Gly	Thr	Ala	Ala	Ala	Gly	Ala	Ser	Val
			35				40					45			

Pro	Phe	Ser	Gly	Leu	Arg	Val	Leu	Ser	Lys	Gly	Gly	His	Thr	Phe	Trp
	50					55					60				

Gln	Thr	Phe	Leu	Lys	Xaa	Gly	Ser	Ser	Asn	Val	Lys	Phe	His	Leu	Gly
65					70					75				80	

Xaa	His	Leu	Thr	Met	His	Asn	Arg	Leu	Ile	Xaa	Glu	Met	Asp	Gly	Val
				85					90					95	

Xaa Phe Gly

<210> 1312

<211> 34

<212> PRT

<213> Homo sapiens

<220>

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<222> (3)

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<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1312

Gly	Ile	Xaa	Val	Gln	Glu	Gly	Arg	Gly	Leu	Ala	Val	Ala	Glu	Xaa	His
1				5				10					15		

Lys	Lys	Val	Thr	Arg	Pro	Gly	Ala	Ala	Asp	Xaa	Ala	Arg	Arg	Pro	His
			20				25					30			

Leu Tyr

<210> 1313

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1313

Thr	Val	Val	Arg	Gln	Val	Ser	Phe	Thr	Leu	Leu	Met	Met	Cys	Cys	Cys
1				5					10				15		

His	Gly	Asn	Pro	Ala	Gln	Tyr	Glu	Arg	Xaa	Arg	Ser	Ser	Asp	Ile	Gly
			20					25					30		

Val	Cys	Ala	Gly	Leu	Arg	Ser	Gln	Trp	Gly	Glu	Thr	Thr	His	Leu	Trp
			35				40					45			

Gly Xaa
50

<210> 1314
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1314
Thr Val Val Arg Gln Val Ser Phe Thr Leu Leu Met Met Cys Cys Cys
1 5 10 15
His Gly Asn Pro Ala Gln Tyr Glu Arg Asn Arg Ser Ser Asp Ile Trp
20 25 30
Cys Met Cys Leu Ala Glu Glu Pro Met Gly Arg Thr Thr Ile Cys Gly
35 40 45
Ile Met Thr Glu Arg Leu
50

<210> 1315
<211> 84
<212> PRT
<213> Homo sapiens

<220>
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<222> (63)
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<220>

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<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1315

Thr Ala Gly Arg Trp Pro Trp Lys Ser Glu Ser Ala Lys Glu Cys Val
1 5 10 15

Thr Thr His Leu Pro Asn Gln Leu Ala Leu Lys Met Asp Gly Ala Gly
20 25 30

Ala Ser Gly Pro Tyr Pro Ala Val Ala Gly Ser Arg Glu Trp Thr Gly
35 40 45

Ala Ala Gly Ala Ala Arg Ala Arg Ala Val Leu Val Phe Ala Xaa Phe
50 55 60

Pro Val Gly Lys Arg Pro Asn Pro Leu Pro Xaa Trp Phe Leu Xaa Pro
65 70 75 80

Gln Xaa Xaa Thr

<210> 1316

<211> 68

<212> PRT

<213> Homo sapiens

<220>

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<222> (13)

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<222> (62)

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<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1316

Lys Ser Thr Ser Thr Gln Gly Trp Ser Ala Gln Trp Xaa Thr Glu His
1 5 10 15

Gly Leu Leu Xaa Ser Leu Gln Tyr Phe Glu Phe Ile Phe Leu Pro Ile
20 25 30

Tyr Val Leu Tyr Ala Ala Gly Ala Pro Leu Lys Phe Tyr Ser Val Leu
35 40 45

Gln Lys Lys Lys Lys Lys Lys Lys Lys Arg Gly Ala Pro Xaa Lys Gly
50 55 60

Pro Xaa Phe Xaa
65

<210> 1317

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

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<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1317

Ile Xaa Xaa Pro Xaa Gly Gly Pro Lys Pro Pro Pro Phe Xaa Lys Xaa

1

5

10

15

Phe Ser Pro Pro Pro Pro Pro Arg Asn Pro Pro Xaa Phe Phe Ser Pro

20

25

30

Pro Pro Xaa Asp Pro Xaa Pro Xaa Lys Lys Phe Phe Phe Phe Leu Lys

35

40

45

Thr Pro Pro

50

<210> 1318

<211> 78

<212> PRT

<213> Homo sapiens

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<222> (43)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1318
Asp Phe Asn Leu His Gln Pro Leu Lys Cys Arg Pro Leu Cys Asp Trp
1 5 10 15
Xaa Tyr Ala Leu Leu Lys Cys His Lys Ala Ala Ser His Leu Trp Gly
20 25 30
Tyr Cys Tyr Lys Phe Phe Leu Ser Leu Lys Xaa Pro Phe Leu Leu Ser
35 40 45
Ser Val Gly Lys Phe Xaa Gln Ile Ser Ser Ser Xaa Pro Gly Arg Asn
50 55 60
His Ser Pro Gln Gly Asn Leu Pro Xaa Leu Phe Leu Gly Cys
65 70 75

<210> 1319
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
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<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1319

His Leu Asp Val Pro Ser Cys Leu Leu Lys Lys Lys Lys Lys Thr Arg
1 5 10 15

Xaa Gly Ala Arg Tyr Pro Xaa Pro Pro Asn Ser Xaa
20 25

<210> 1320

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (18)

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<220>

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<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1320

Gly Lys His Gly Lys Gly Ser Gly Lys Trp Ala Cys Xaa Xaa Leu Gly
1 5 10 15

Arg Xaa Xaa Leu Xaa Pro Ala Leu Met Val Thr
20 25

<210> 1321

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1321

Gln Ser Pro Ile His Phe Ser Cys Thr Arg Met Leu Trp Lys Ser Leu
1 5 10 15

Met Thr Arg Thr Val Phe Ser Leu His Cys Leu Ala Leu Gly Phe Glu
20 25 30

Lys Lys Ile Arg Glu Gly Arg Ser Gly Ile Ser Trp Pro Lys Phe Pro
35 40 45

Leu Gly Arg Thr Gly Arg Cys Cys Ser Ser Lys Arg Glu Gly Phe Phe
50 55 60

Gln Ser His Leu Pro Glu Ser
65 70

<210> 1322

<211> 80

<212> PRT

<213> Homo sapiens

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<400> 1322
Gly Gly Ser Thr Ser Ser Leu Lys Ile Leu Glu Gly Met Glu Glu Ser
1 5 10 15
Gln His Val Phe Leu Thr Gln Asp Pro Trp Phe Val Leu Lys Ala Xaa
20 25 30
Asn Pro Gln Val Pro Ala Phe Asp Asp Val Tyr Arg Lys Cys Trp Leu
35 40 45
Thr Glu His Ile Cys Pro Ile Pro Gly Val Xaa Arg Lys Pro Xaa Ile
50 55 60
Phe Xaa Ile Pro Asn Phe Phe Leu Xaa Xaa Lys Lys Lys Met Xaa Xaa
65 70 75 80

<210> 1323
<211> 57
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<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1323

Gln Gly Leu Asn Pro Tyr Thr Phe Trp His Asn Xaa Ile Xaa Leu Gly
1 5 10 15

Asn Glu Leu Cys Lys Gly Glu Pro Lys Leu Lys Thr Pro Xaa Asn Gln
20 25 30

Thr Glu Leu Thr Leu Arg Asn Ser Leu Lys Glu Ala His Pro Ser Tyr
35 40 45

Val Gly Lys Ile Val Gly Lys Val Phe
50 55

<210> 1324

<211> 31

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1324

Lys Arg Lys Leu Arg Glu Gly Arg Asn Leu Asn Xaa Leu Met Lys Ile
1 5 10 15

Met Leu Xaa Ile Ile Lys Thr Gly Tyr Glu Tyr Ser Asn Pro Phe
20 25 30

<210> 1325

<211> 40

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1325

Leu Glu Ile Thr Leu Gln Gly Glu Pro Lys Leu Arg Pro Pro Lys Pro
1 5 10 15

Asp Glu Leu Pro Lys Lys Gln Leu Lys Glu His Thr Arg Leu Cys Xaa
20 25 30

Lys Ile Val Gly Arg Phe Ile Gly
35 40

<210> 1326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1326

Ala Tyr Lys Lys Glu Lys Glu Gln Ser Gln Glu Arg Thr Xaa Xaa Lys
1 5 10 15

Cys Phe Gly Thr Ser Leu Phe Leu Asp Phe Glu Leu Ser Asn Trp Phe

20 25 30
Ser Gln Val Lys Leu Lys Asn Ser Glu Thr Trp Phe Tyr Glu Ser Cys
35 40 45
Ser Tyr Thr Phe Leu Xaa Xaa Gly Pro Xaa Leu Leu Pro Arg Leu Leu
50 55 60
Thr
65

<210> 1327
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1327

Trp	Glu	Lys	Phe	Ile	Gly	Xaa	Lys	Arg	Gln	Thr	Tyr	Glu	Pro	Gly	Asp
1				5				10				15			

Thr	Gly	Cys	Ser	Gln	Asn	Xaa	Ile	Leu	Val	Ser	Leu	Leu	Ile	Leu	Ala
			20					25					30		

Xaa	Glu	Pro	Pro	Xaa	Xaa	Pro	Trp	Leu	Ile	Tyr	Xaa	Leu	Val	Pro	Xaa
		35					40					45			

<210> 1328

<211> 72

<212> PRT

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1328

Leu Asp Gln Lys Lys Ser Xaa Leu Phe Asp Leu Xaa Arg Xaa Asn Leu

1

5

10

15

Pro Xaa Leu Tyr Thr His Val Cys Val Ser Leu Lys Arg Xaa Val Arg

20

25

30

Leu Xaa Lys Ile Leu Ile Val Ile Asn His Val Xaa Thr Ser Cys Asn

35

40

45

Glu Leu His Asp Leu Ile Leu Ser Leu Leu Ala Xaa Thr Thr Xaa Tyr

50

55

60

Phe Ser Asn Xaa Xaa Ile Ser Pro

65

70

<210> 1329

<211> 19

<212> PRT

<213> Homo sapiens

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<222> (3)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1329
Thr Ile Xaa Cys Glu Leu Leu Lys Trp Ile Ile Gly His Gly Leu Xaa
1 5 10 15

Ala Ala Xaa

<210> 1330
<211> 80
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1330

Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg

1

5

10

15

Arg Ala Lys Ala Lys Thr Pro Glu Xaa Arg Xaa Ala Thr Leu Glu Gln

20

25

30

Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Xaa Ile Tyr

35

40

45

Xaa Leu Lys Arg Gln Thr Tyr Arg Pro Gly Asp Thr Gly Xaa Pro Xaa

50

55

60

Xaa Ile Leu Xaa His Phe Asn Leu Pro Xaa Asn Leu Leu Ile Pro Cys

65

70

75

80

<210> 1331

<211> 61

<212> PRT

<213> Homo sapiens

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<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1331

Ile Ile Asn Asn Asn Lys Asn Lys Ala Asn Thr Leu Asp Ile Thr Leu
1 5 10 15

Pro Ser Gly Ala Xaa Lys Lys Val Lys Ala Gly Ile Ser Phe Ser Tyr
20 25 30

Leu Asn Leu Ser Val Leu Ser Gln Gly Ile Phe Ser Glu Asn Arg Trp
35 40 45

Asn Xaa Val Arg Leu Trp Xaa Met Leu Ser Ile Ile Gly
50 55 60

<210> 1332

<211> 97

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1332

Lys Val Xaa Gly Leu Xaa Ser Pro Gly Pro Glu Ile Pro Gly Ser Thr
1 5 10 15

Xaa Thr Val Arg Ile Asn Thr Val Xaa Pro Leu Ile Tyr Leu Leu Leu
20 25 30

Ser Pro Ile Xaa Asn Thr His Ala Ala Xaa Leu Ser Val Asp Gly Gly
35 40 45

Tyr His Leu Asp Pro Leu Leu Leu Leu Glu Xaa Pro Xaa Xaa Leu Trp
50 55 60

Ala Leu Xaa Arg Lys Ser Arg Ile Ile Trp Lys Thr Leu Xaa Phe Ser
65 70 75 80

Ser Arg Leu Tyr Gln Lys Ile Pro Lys Thr Asp Xaa Ala Val Xaa Xaa
85 90 95

Gln

<210> 1333

<211> 94

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1333

Xaa	Phe	Leu	Pro	Pro	Ser	Ala	Arg	Pro	Arg	Ala	Gly	Arg	Arg	Xaa	Pro
1				5				10						15	

Leu	Arg	Gly	Gln	Cys	Gln	Val	Gly	Ser	Leu	Thr	Gly	Ala	Val	His	Leu
		20						25					30		

Ser	Asn	Gly	Asn	Ala	Xaa	Val	Leu	Arg	Xaa	Ala	Gln	Gly	Gly	Gln	Lys
		35						40				45			

Pro	Pro	Val	Glu	Xaa	Lys	Gly	Lys	Ser	Ser	Leu	Asp	Leu	Asp	Phe	Gln
		50				55					60				

Tyr	Glu	Tyr	Lys	Thr	Val	Lys	Ala	Gly	Pro	His	Asp	Pro	Ser	Asp	Leu
65					70					75					80

Leu	Gly	Phe	Lys	Gln	Glu	Val	Xaa	Glu	Lys	Leu	Pro	Gln	Gly
				85						90			

<210> 1334

<211> 55

<212> PRT

<213> Homo sapiens

<220>

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<222> (10)

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<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1334

Thr	Cys	Gly	Pro	Pro	Val	Lys	Tyr	His	Xaa	Ser	Asp	Arg	Phe	Phe	Thr
1				5					10					15	

Asp	Pro	Val	Arg	Arg	Gly	Gly	Glu	Pro	Arg	Gly	Ala	Leu	Ala	Ser	Gly
			20					25					30		

Ala	Lys	Arg	Pro	Ala	Ala	Arg	Arg	Pro	Gly	Ala	Thr	Arg	Ser	Gly	Asp
		35					40					45			

Xaa	Ala	Arg	Xaa	Gly	Xaa	Xaa
	50				55	

<210> 1335

<211> 143

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1335

Xaa Thr Ile Val Leu Xaa Xaa Thr Pro Ala Gly Thr Gly Pro Glu Phe
1 5 10 15

Pro Gly Arg Pro Thr Arg Pro Pro Ile Phe Pro Val Asp Asn Ala Ile
20 25 30

Asp Asn Gly Xaa Glu Xaa Gln Val Ala Leu Pro Ile Leu Met Ala Ala
35 40 45

Tyr Ala Met Ala Glu Ala Phe Met Ser Thr Gly Val Gly Ala Ser Leu
50 55 60

Ile Leu Ile Ala Leu Lys Val Gly Ile Thr Ala Lys Thr Val Ala Val
65 70 75 80

Ile Gly Ala Ile Val Thr Ser Ile Leu Ser Ile Ala Thr Gly Thr Ser
85 90 95

Trp Gly Thr Phe Ala Ala Cys Ala Pro Ile Phe Leu Trp Leu Asn His
100 105 110

Ile Val Gly Gly Asn Ile Leu Phe Asp Asn Lys Gln Leu Leu Xaa Xaa
115 120 125

Glu His Val Leu Glu Asp Asn Ile Gly Leu Phe Gln Ile Leu Gln
130 135 140

<210> 1336

<211> 65

<212> PRT

<213> Homo sapiens

<220>

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1336

Xaa Ala Leu Gly Leu Ala Leu Pro Gly Arg Leu Leu Xaa Ser His Ser
1 5 10 15

Arg Arg Thr Pro Ser Arg Glu Ser Arg Xaa Pro Pro Ala Pro Leu Tyr
20 25 30

Ser Ala Arg Ala Gln His Gly Ala Pro Ala Gly Xaa His Val Arg Ala
35 40 45

Ser Asp Cys Arg Gly Asp Xaa Asp Phe Xaa Arg Ser Ser Gly Arg Met
50 55 60

Glu

65

<210> 1337

<211> 42

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<222> (23)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1337

Thr	Xaa	Ala	His	Ser	Val	Xaa	Xaa	Pro	His	Ser	Xaa	Gly	His	Cys	Gly
1					5			10						15	

Gln	Arg	Val	Leu	Ala	Cys	Xaa	Leu	Leu	Ser	Ile	Leu	Lys	Ala	Met	Asp
			20					25					30		

Phe	Xaa	Gly	Pro	Phe	Ser	Ser	Xaa	Leu	Pro
			35					40	

<210> 1338

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1338

Phe	Asn	Lys	Leu	Ser	Ser	Ala	Leu	Ser	Glu	Phe	Ser	Gly	Pro	Asn	Ile
1				5					10					15	

Tyr	Val	Glu	Lys	Asp	Gly	Gly	Val	Xaa	His	Leu	Cys	Thr	Asp	His	Leu
			20					25					30		

Tyr	Val	Arg
		35

<210> 1339

<211> 79

<212> PRT

<213> Homo sapiens

<220>

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<220>

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<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1339

Asp Ile Glu Ala Lys Pro Ser His Tyr Gln Leu Val Ser Gly Ser Ser
1 5 10 15
Thr Glu Asp Ser Leu His Val His Ala Gln Met Ala Glu Asn Glu Xaa
20 25 30
Xaa Gly Ser Gly Gly Gly Gly Ser Glu Glu Asp Pro Pro Cys Xaa His
35 40 45
Gln Ser Cys Glu Gln Lys Asp Cys Leu Ala Xaa Lys Pro Trp Asp Ile
50 55 60
Ser Leu Ala Xaa Pro Glu Ser Ile Arg Ser Asp Leu Glu Ser Ser
65 70 75

<210> 1340

<211> 69

<212> PRT

<213> Homo sapiens

<220>

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<222> (9)

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<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1340

Gly Lys Gly Thr Phe Pro Lys Asn Xaa Phe Trp Gly Asn Lys Asn Val
1 5 10 15

Asp Cys Glu Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe
 50 55 60

Xaa Lys Xaa Lys Xaa
 65

<210> 1341

<211> 70

<212> PRT

<213> Homo sapiens

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<222> (1)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1341

Xaa Trp Ser Xaa Leu Ala Ala Gln Lys Glu Gln Ser Gly Leu Glu Gly
 1 5 10 15

Ser Ile Lys Phe Tyr Thr His Lys Leu Gln Leu Glu Val Ser Phe Leu
 20 25 30

Lys Cys Pro Ala Phe Ala Gln Leu Phe Gln Ile Ile Ser Phe Leu Arg
 35 40 45

Leu Trp Gln Val Ser Cys Pro Pro Ser Tyr Ser Ser Val Phe Thr Xaa
 50 55 60

Ser Arg Gln Xaa Ser Gly
65 70

<210> 1342

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1342

Glu Pro Asp Pro Asn Ser Glu Asn Ile Ala Ala Ile Ser Gln Ser Ser
1 5 10 15

Val Gly Ser Asp Leu Phe Val Phe Lys Pro Ser Glu Pro Arg Pro Leu
20 25 30

Tyr Ile Gln Lys Gly Ile Ser Arg Glu Lys Val Gln Trp Gly Val Phe
35 40 45

Val Pro Arg Asp Val Pro Glu Ser Phe Thr Ser Glu Ala Tyr Gln Trp
50 55 60

Leu Asn Arg Ser Gln Phe Tyr Phe Leu Thr Lys Ser Gln Ser Leu Leu
65 70 75 80

Thr Phe Ser Thr Lys Ser Pro Glu Glu Lys Leu Thr Pro Thr Xaa Gln
85 90 95

Thr Ala Ala Ser Arg Arg Lys Ser Ser His Asn Pro Ile Leu Phe His
100 105 110

Ile Gly Lys Thr Gln Ala Thr Ala Gly
115 120

<210> 1343

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1343

Asn Thr Lys Gly Asp Arg Glu Glu Leu Lys Asp Leu Gln Tyr Cys Thr
1 5 10 15

Gln Lys Leu Ile Ile Leu Cys Thr Phe Tyr Leu Phe Trp Arg Phe Tyr
20 25 30

Met Ile Phe Asn
35

<210> 1344
<211> 32
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1344
Ala Val Ala Val Ser Gly Pro Gly Pro Val Gly Val Leu Leu Xaa Leu
1 5 10 15

Trp Leu Thr Pro Xaa Pro Gly Thr Leu Asn Asp Arg Ser Arg Xaa Xaa
20 25 30

<210> 1345
<211> 63
<212> PRT
<213> Homo sapiens

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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1345
 His Leu Val Lys Ala Gly Arg Lys Ile Asn Asn Thr Lys Leu Cys Tyr
 1 5 10 15
 Leu Ile Xaa Leu Leu Glu Arg Val Arg Phe Thr Xaa Tyr Ile Phe Lys
 20 25 30
 Leu Ile His Val Lys Asn Asp Ser Asp Phe Asp Val Ile Xaa Leu Leu
 35 40 45
 Ile Glu Ser Xaa Ile Xaa Lys Ala Asn Asn Leu Lys Xaa Ala Ile
 50 55 60

<210> 1346
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>

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<220>
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<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1346
Ala Gly Ala Asp Arg Gly Gly Gly Gly Trp Xaa Arg Leu Gly Xaa Ile
1 5 10 15
Asn Leu Leu Ile Asp Cys Asp Ser Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45
Lys Xaa Lys Xaa Lys Lys Lys Lys Xaa Lys Lys Lys Lys Lys Xaa Xaa
50 55 60

<210> 1347

<211> 45

<212> PRT

<213> Homo sapiens

<220>

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<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1347

Phe Leu Ile Met Ser Asn Asp Cys Lys Ser Ala Trp Ile Phe Thr Cys
1 5 10 15

Lys Gly Tyr Ser Cys Ile Val Arg Ser Pro Ser Pro Ala Glu Ser Ser
20 25 30

Xaa His Trp Leu Ala Val Cys Cys Val Xaa His Ser Phe
35 40 45

<210> 1348

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1348

Gly Phe Leu Val Leu Met Leu Val Lys Val Cys Ala Gly Ile Ser Lys
1 5 10 15

Ser Leu Lys Lys Val Phe Thr Gly His Trp Ala Val Val Arg Glu Gly
20 25 30

Leu Thr Asn Pro Trp Ile Pro Asp Asn Trp Ser Trp Gly Gly Val Ala
35 40 45

Ser Glu His Cys Xaa Cys Tyr Arg Val Leu His
50 55

<210> 1349
<211> 63
<212> PRT
<213> Homo sapiens

<400> 1349
Phe Cys Pro Cys Val Arg Gln Ser Glu Gln Arg Val Ile Gln Ser Ala
1 5 10 15
Ala Asn Lys Ala Ala Asp Ser Ser Val Gln Lys Ala Lys Lys Glu Leu
20 25 30
Tyr Val Arg His Leu Phe Leu Leu Ile Ser Ile Phe Leu Leu Thr His
35 40 45
Thr Leu Ser His Val Lys Arg Lys Ile Asn Lys Trp Ser Glu Leu
50 55 60

<210> 1350
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1350
Tyr Ile Tyr Tyr Arg Pro Asn Glu Leu Asn Ile Ala Leu Leu Tyr Ser
1 5 10 15
Pro Lys Gly Leu Asn Ser Cys Phe Phe Pro Ser Phe Ile Xaa Arg Lys
20 25 30
His Tyr Asp Arg Ile Ser
35

<210> 1351
<211> 77
<212> PRT
<213> Homo sapiens

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<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1351

Leu Leu Pro Glu Asp Gln Val Gln Leu Gln Pro Xaa Gly Arg Trp Leu
1 5 10 15

Pro Thr Ser Ser Pro Gly Leu Ser Ser Ser Pro Ser Ser Pro Val Ile
20 25 30

Leu Cys Cys Leu Asp Ser Thr Ile Pro Ser Leu Phe Leu Leu His Leu
35 40 45

Leu Pro Leu Glu Pro Pro Leu Pro Ser Trp Asp Phe Trp Glu Val Pro
50 55 60

Ala Xaa Gln Pro Arg His Lys Thr Ile Met Val Thr Trp
65 70 75

<210> 1352

<211> 28

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1352

Xaa Leu Leu Arg Asp Xaa Met Gly His Tyr Val Trp Leu Phe Tyr Ile
1 5 10 15

Lys Pro Thr Thr Xaa Phe Arg Val Gly Xaa Met Asn
20 25

<210> 1353

<211> 79

<212> PRT

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<220>

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<222> (62)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1353

Pro	Arg	Leu	Gln	Thr	Leu	Asn	Leu	Val	Leu	Xaa	Ser	Ala	Asp	Asn	Gly
1				5				10						15	

Xaa	Xaa	Pro	Arg	Leu	Tyr	Asn	Arg	Arg	Ser	Ala	Lys	Asp	Xaa	Gly	Val
			20					25					30		

Leu	Gly	Gly	Xaa	Leu	Val	Phe	Pro	Lys	Val	Phe	Gln	Ile	Lys	Val	Val
		35						40					45		

Phe	Val	Leu	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Leu	Gly	Gly	Xaa	Phe	Leu
	50					55						60			

Gly	Gly	Ala	Arg	Gly	Xaa	His	Gly	Phe	Xaa	Gln	Xaa	Gly	Xaa	Gly	
65						70					75				

<210> 1354

<211> 40

<212> PRT

<213> Homo sapiens

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<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1354
Gly Asp Pro Ala Gln Phe Pro Gly Arg Pro Arg Val Arg Thr Ile Gly
1 5 10 15
Arg Arg Ser Phe Xaa Xaa Trp Xaa Asn Ser His Phe Pro His Glu Glu
20 25 30
Xaa Lys Xaa Gly Gln Lys Pro Asn
35 40

<210> 1355
<211> 40
<212> PRT
<213> Homo sapiens

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<220>
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1355
Asp Ile Asn Gly Asp Phe Lys Val Glu Ile Asn Met Tyr Ser Met Phe
1 5 10 15
Leu Lys Lys Lys Lys Lys Lys Lys Xaa Pro Gly Gly Ala Pro Val Pro
20 25 30
Ile Xaa Pro Xaa Gly Gly Pro Phe
35 40

<210> 1356
<211> 81
<212> PRT
<213> Homo sapiens

<220>
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<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1356
Pro Gly Glu Ala Gly Gly Arg Ala Pro Arg Gly Ser Arg Phe Trp Arg
1 5 10 15
Gln Xaa Pro Gly Arg Ala Pro Ala Gly Arg Asp Pro Leu Arg Gly Gln
20 25 30
Cys Gln Val Gly Ser Leu Thr Gly Ala Val His Leu Ser Asn Gly Asn
35 40 45
Ala Gly Val Leu Arg Arg Ala Gln Gly Gly Gln Lys Pro Pro Val Glu
50 55 60
Gln Lys Gly Lys Ser Ser Leu Asp Leu Asp Phe Gln Tyr Glu Tyr Arg
65 70 75 80

Pro

<210> 1357
<211> 73
<212> PRT
<213> Homo sapiens

<220>
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<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1357
Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1358

Gly Xaa Arg Pro Arg Xaa Trp Ile Arg Thr Ser Arg Trp Cys Ser Arg
1 5 10 15

Tyr Lys Xaa Phe Val Cys Ser Thr Ile Lys Val Leu Arg Asp Leu Asn
20 25 30

Ser Xaa Arg Ser Asn Pro Gly Arg Phe Leu Ser Thr Ser Asn Ser Ser
35 40 45

Leu Tyr Xaa Arg Thr Xaa Arg Tyr Lys Ala Tyr Phe Ser Xaa Arg Leu
50 55 60

Pro Pro
65

<210> 1359

<211> 73

<212> PRT

<213> Homo sapiens

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<222> (62)

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1359

Arg Pro Lys Trp Arg Arg Val Pro Cys Glu Gln Gln Leu Asn Met Gly
1 5 10 15

Gln Ser Val Leu Arg Asp Gly Arg Ala Pro Phe Arg Arg Asp Gly Arg
20 25 30

Trp Pro Pro Leu Pro Ser Ala Asp Arg Lys Gly Val Gly Phe Arg Ser

35 40 45
 Pro Asn Pro Glu Trp Arg Arg Trp Arg Arg Glu Ala Ser Xaa Arg Xaa
 50 55 60
 Arg Asp Arg Ser Arg Arg Ser Pro Xaa
 65 70

<210> 1360
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1360
 Thr Arg Pro Val Asn Asn Lys Lys Gly Val Ile Arg Ile Gly Met Trp
 1 5 10 15
 Ile Phe Thr Val Xaa Thr Thr His Leu Gln Phe Cys Asn Ala Arg Met
 20 25 30
 Gln Phe Lys Asn Val Lys
 35

<210> 1361
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 1361
 Arg Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala
 1 5 10 15
 Ser Ala Asp Ala Trp Gly Leu Leu Arg Asn Ile Ala Glu Val Ile Thr
 20 25 30
 Thr Ala Ile Lys Leu Phe Lys Lys Asp Leu Tyr Asn Val Tyr Lys Ser
 35 40 45
 Gly Ile Lys Asp Phe Ser
 50

<210> 1362
<211> 139
<212> PRT
<213> Homo sapiens

<220>
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<400> 1362
Ser Phe Asp Val Gly Ser Ser Tyr His Cys Glu Ala Glu Phe Thr Lys
1 5 10 15

Arg Trp Ile Val His Pro His Glu Pro Cys Ala Phe Gly Val Asn Asn

20 25 30
 Val Gln Phe Val Asp Val Ile Glu Ser Arg Gly Leu Ser Pro Phe Tyr
 35 40 45
 Ile Cys Ile Asn Phe Asn Leu Leu Lys Xaa Lys Lys Glu Xaa Glu Lys
 50 55 60
 Gln Phe Ile Lys Xaa Xaa Lys Ser Asn Gln Pro Gln Gln Gln Lys Arg
 65 70 75 80
 Met Val Trp Tyr Trp Arg Arg Asp Gly Gln Leu Ser Leu Leu Ala His
 85 90 95
 Asp Gly Met Asp Leu Gly Pro Gly Thr Thr Phe Ile Leu Arg Xaa Xaa
 100 105 110
 Leu Trp Ile Pro Arg Glu Gly Gln Pro Phe Arg Xaa Gly Leu Tyr Pro
 115 120 125
 Glu Gly Gly Thr Glu Phe Gly Gln Thr Xaa His
 130 135

<210> 1363

<211> 58

<212> PRT

<213> Homo sapiens

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<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1363

Ala Phe Arg Lys Tyr Tyr Val Lys Asn Leu Xaa Ser Leu His Ala Arg
 1 5 10 15
 His Ser Phe Asn His Phe Ser Asp His Phe Ser Lys Ile Leu Lys His
 20 25 30
 Pro His Leu Gly Phe Ser Leu Asn Leu Gly Val Pro Ser Pro His Pro
 35 40 45

Ala Ala Phe Cys Val Arg Gly Xaa Arg Ser

50

55

<210> 1364
<211> 21
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1364
Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa
1 5 10 15

Arg Xaa Xaa Glu Asn
20

<210> 1365
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (69)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1365

Tyr	Thr	Ala	Ile	Met	Ser	Ile	Met	Ser	Tyr	Asn	Xaa	Gly	Ala	Val	Met
1				5					10					15	

Ala	Met	Lys	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	His	Arg	Cys	Arg	Xaa	Ala
			20						25					30	

Leu	Xaa	Glu	Ser	Arg	Pro	Arg	Met	Val	Asn	His	Gly	Thr	Xaa	Arg	Lys
		35						40					45		

Ile	Phe	Xaa	His	Gly	Xaa	Asn	Arg	Leu	Xaa	Met	Gly	Leu	Gly	Arg	Xaa
	50						55					60			

Xaa	Gln	Leu	Arg	Xaa
	65			

<210> 1366

<211> 42

<212> PRT

<213> Homo sapiens

<220>

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<222> (29)

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<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1366

Leu Ala Ile Leu Arg Leu Phe Lys Val Phe Ser Asn Ile Lys Lys Tyr
1 5 10 15

His Gln Arg Ser Pro Ala Met Leu Lys Thr Asn Asn Xaa Lys Gln Thr
20 25 30

Xaa Xaa Lys Asn Leu Lys Lys Lys Xaa Gly
35 40

<210> 1367

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1367

Ser Thr Leu Ser Asn Arg Leu Val Trp Val His Trp His Ser Leu Xaa
1 5 10 15

Tyr Cys Leu Ile Ala Asp Thr Xaa
20

<210> 1368

<211> 79

<212> PRT

<213> Homo sapi ns

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1368

Xaa His Xaa Trp Lys Leu Ile Leu Xaa Leu Xaa Leu Gly Tyr Phe Xaa
1 5 10 15

Phe Gly Gly Glu Ser Ala Xaa Phe Phe Arg Arg Gly Pro Gly Phe Phe
20 25 30

Lys Gly Lys Lys His Ser Tyr Ser Lys Leu Gln Asn Asn Gly Val Asn

35 40 45
Met Leu Asn Arg Ser Ile Arg Lys Pro Asn Thr Gly Leu Ser Arg Arg
50 55 60
Xaa Leu Val Xaa Arg Ala Leu Gly Lys Asn Lys Gly Lys Xaa Lys
65 70 75

<210> 1369

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1369

Asn Gln Arg Gln Leu Ser Cys Cys Val Ser Ser Cys Trp Ile Leu Ser
1 5 10 15

Leu Gly Pro Thr Val Cys Gln Tyr Ser Cys Glu Leu Tyr Val Pro Pro
20 25 30

Val Leu His Thr Gln Val Cys Val Ser Val Tyr Ala Cys Phe Lys Gln
35 40 45

Thr Leu Asn Val His Met Tyr Ile Ile Tyr Thr Tyr Leu Tyr His Ile
50 55 60

Ser Ser Phe Ile Thr Ile Asp Tyr Thr Asn Trp Xaa
65 70 75

<210> 1370

<211> 50

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1370

Ala	Arg	Ala	Tyr	Leu	Leu	Val	Ala	Ser	Asn	Leu	Thr	Pro	Ser	Leu	Ser
1				5					10					15	

Glu	Tyr	Val	Gln	Pro	Lys	Arg	Thr	Asn	Trp	Leu	Leu	Cys	Thr	Ser	Leu
			20					25						30	

Xaa	Ile	Xaa	Leu	Leu	Ser	Met	Val	Leu	Arg	Ser	Xaa	Thr	Val	Tyr	Leu
		35					40					45			

Xaa Leu
50

<210> 1371

<211> 76

<212> PRT

<213> Homo sapiens

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1371

Glu Lys Thr Phe Val Glu Arg Val Lys Asn Leu Thr Pro His Ser Arg

1

5

10

15

Pro Lys Ser Xaa His Gln Leu Lys Lys Ala Phe Lys Leu Gln His Pro

20

25

30

Leu Pro Lys Lys Phe Gln Thr Tyr Asn Trp Asn Phe Leu Xaa Pro Asn

35

40

45

Trp Asp Gln Phe Xaa Thr Pro Ile Arg Lys Lys Leu Met Val Ser Xaa

50

55

60

Xaa Val Thr Xaa Glu Lys His Phe Ser Phe Arg Xaa

65

70

75

<210> 1372

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1372

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser

1

5

10

15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu

20

25

30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu

35

40

45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr

50

55

<210> 1373

<211> 52

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1373

Ser Leu Asp Leu Ile Cys Pro Tyr Glu Arg Pro Gly Lys Asn Arg Leu
1 5 10 15

Xaa Ala Pro Xaa Leu Val Glu Leu Cys Pro Ser Ser Asp Ala Cys Gln
20 25 30

Glu Arg Val Glu Pro Arg Thr Leu Thr Lys Gly Gly Pro Gly Tyr Pro
35 40 45

Ile Ala Ala Leu
50

<210> 1374

<211> 114

<212> PRT

<213> Homo sapiens

<220>

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<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1374

Ala Arg Ala Glu Asp Pro His Ile Asp Glu Ser Lys Ala Xaa His Gln
1 5 10 15

Ala Ile Ile Met Ser Thr Ser Leu Arg Val Ser Pro Ser Ile His Gly
20 25 30

Tyr His Phe Asp Thr Ala Ser Arg Lys Lys Ala Val Gly Asn Ile Phe
35 40 45

Glu Asn Thr Asp Gln Glu Ser Leu Glu Arg Leu Phe Arg Asn Ser Gly
50 55 60

Asp Lys Lys Ala Glu Glu Arg Ala Lys Ile Ile Phe Ala Ile Asp Gln
65 70 75 80

Asp Val Glu Glu Lys Thr Arg Ala Leu Met Ala Leu Xaa Glu Glu Asp
85 90 95

Lys Arg Gln Ala Phe Pro Phe Leu Lys Leu Arg Xaa Phe Ser Phe Lys
100 105 110

Xaa His

<210> 1375

<211> 105

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1375

Ala Arg Gln Asp Thr Gln Glu Glu Arg Ala Ala Pro Gly Ser Arg Pro
1 5 10 15

Gly Leu His Ala Glu Ala Gly Gly Arg Arg Cys Pro Ala Glu Ser Pro
20 25 30

Glu Leu Arg Arg Pro Ala Leu Val Pro Ala Pro Ser Gly Arg Arg Phe
35 40 45

Glu Ser Asp Trp Cys Leu Ala Ala Ser Ser Ser Val Arg Asp His Glu
50 55 60

Val Leu Pro Ser Val Val Leu Lys Leu Phe Leu Xaa Ser Phe Ser Ser
65 70 75 80

Ala Leu Val Thr Gly Glu Xaa Pro Gly Asn Gly Phe Arg Xaa Arg Leu
85 90 95

Thr Ala Gly Asn Lys Xaa Thr Gly Thr
100 105

<210> 1376

<211> 25

<212> PRT

<213> Homo sapiens

<220>

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<222> (11)

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<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1376

Arg Pro Thr Arg Pro Pro Thr Arg Pro Val Xaa Ser Ile Pro Xaa Leu
1 5 10 15

Trp Ala Ala Xaa Val Ser Pro Pro Lys
20 25

<210> 1377

<211> 38

<212> PRT

<213> Homo sapiens

<220>

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1377

Phe Thr Xaa Asn Ser Leu Tyr Phe Ser Cys Ile Lys Thr Leu Cys Cys
1 5 10 15

Ser His Ser Trp Ser Xaa Ser Pro Leu His Gly Asp Cys Gly Val Gly
20 25 30

Leu Asp Glu Val Gly Gln
35

<210> 1378

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1378
Phe Xaa Lys Arg Gly Pro Ser Ser Pro Val Ala Xaa Val Leu Glu Leu
1 5 10 15
Leu Asp Pro Pro Gly Cys Xaa Asn Ser Ala Arg Glu Gly Xaa Val Gly
20 25 30
Arg Ala Arg Arg Phe Pro Ala Xaa Val Ser Ala Arg Xaa Xaa
35 40 45

<210> 1379
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1379

Leu	Leu	Lys	Xaa	Thr	Xaa	Ser	Cys	Ser	Tyr	Pro	Pro	Leu	Xaa	Ala	Glu
1				5					10					15	

Pro	Cys	Leu	Ile	Gln	Gln	Pro	Gly	Gly	Thr	Thr	Arg	Xaa	Pro	Ser	Leu
			20					25					30		

Thr Leu

<210> 1380

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1380

His Arg His Ala His Lys Glu Arg Leu Lys Lys Lys Lys Lys Xaa Ser

1 5 10 15

Arg Gly Xaa Pro Xaa Thr Lys Xaa Ala Pro
20 25

<210> 1381

<211> 120

<212> PRT

<213> Homo sapiens

<220>

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<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1381

Asp Ala Glu Gly Arg Pro Glu Gly Arg Leu Phe Gly Met Thr Gly Ala
1 5 10 15

Gly Leu Gly Arg Asp Ser Gly Arg Trp Arg Glu Val Ser Phe Phe Gly
20 25 30

Glu Thr Glu Arg Ala Arg Gly Gly Thr Val Gly Xaa Arg Xaa His Ser
35 40 45

Val Ala Ala Ala Gly Val Arg Asp Ser Pro Pro Ile Ser Cys Ser Leu
50 55 60

Gly Pro Trp Gly Arg Ser Gly His Arg Ser Asp Cys His Ala Asp Gly
65 70 75 80

Asp His Arg Arg Glu Leu Gly Gly Arg Lys Ala Pro Pro Pro Ala Gly
85 90 95

Arg Gly Pro Leu Thr Thr Ser Arg Leu Pro Val Pro Leu Leu Lys Ser
100 105 110

Asn Cys Cys Pro Phe Glu Ala Xaa
115 120

<210> 1382

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1382

Phe	Lys	Cys	Ser	Ile	Leu	Met	Pro	Xaa	Asn	Lys	Ser	Phe	Gly	Asn	Thr
1				5					10					15	

Asn	Trp	Ser	Ile	Ile	Gly	Asn	Ala	Gly	Met	Phe	Arg	Leu	Ser	Gln	Gln
			20					25					30		

Cys	Phe	Ala	Phe	Leu	Cys	Leu	Phe	Ser	Val	Asn	Thr	Asn	Glu	Val	Asn
		35					40					45			

Ile	Ala
	50

<210> 1383

<211> 92

<212> PRT

<213> Homo sapiens

<400> 1383

Gln	Ser	Ala	Ala	Leu	Pro	Pro	Val	Thr	Leu	Ala	Leu	Leu	Cys	Leu	Asp
1				5					10					15	

Gly	Val	Phe	Leu	Ser	Ser	Ala	Glu	Asn	Asp	Phe	Val	His	Arg	Ile	Gln
			20						25					30	

Glu	Val	Glu	Glu	Asp	Gly	Pro	Ser	Ser	Cys	Ser	Glu	Asp	Asp	Tyr	Ser
			35					40				45			

Glu	Leu	Leu	Gln	Glu	Ile	Thr	Asp	Asn	Leu	Thr	Arg	Lys	Glu	Ile	Gln
	50							55				60			

Ile	Glu	Lys	Ile	His	Leu	Asp	Thr	Ser	Ser	Phe	Met	Glu	Glu	Leu	Pro
65					70						75				80

Gly	Glu	Lys	Asp	Leu	Ala	His	Val	Val	Glu	Ile	Leu
				85						90	

<210> 1384
 <211> 106
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1384
 Asn Pro Ser Ala His Pro Ser Ile His Pro Ser Val Arg Pro Ser Met
 1 5 10 15

Ser Pro Val Asp Arg Pro Ala Pro Leu Ala Gly Trp Val His Pro Pro
 20 25 30

Ser Thr Trp Leu Thr Cys His Gly Arg Leu Cys Pro Ala Ser Asn Pro
 35 40 45

Ile Leu Asn Ser Pro Lys Ala Xaa Gly Ala Val Gln Thr Gly Val Pro
 50 55 60

Ser Ile Phe Ser Pro Thr Gly Val Phe Pro His Ala Val Xaa Tyr Asn
 65 70 75 80

Pro His Ser Phe Leu Gly Pro Met Asn Phe Arg Ala Val Pro Phe Xaa
 85 90 95

Pro Gly His Leu Leu Cys Xaa Leu Xaa Lys
100 105

<210> 1385

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1385
 Ile Gln Gly Leu Xaa Xaa Xaa Gly Ser Ser Leu Pro Ser Pro Ser Thr
 1 5 10 15

Arg Xaa Ser Leu Thr Xaa Ala Thr Gly Xaa Leu Xaa Arg Gly Phe Arg
 20 25 30

Ser Leu Xaa Gly Trp Val Pro Gly Asn Gly Xaa Arg Ser Xaa Leu Gly
 35 40 45

Ala Pro Xaa Gly Cys Pro Met Gly Xaa Leu Xaa Xaa Phe Arg Gly Xaa
 50 55 60

Trp Gly
 65

<210> 1386
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1386
Lys Ile Ser Ser Xaa Trp Ala Glu Lys Leu Thr Gly Xaa Tyr Xaa Val
1 5 10 15
Thr Asn Arg Ile Gln Val Gly Trp Pro Leu Cys Thr Glu Leu Gln Val
20 25 30
Thr Ser Gly Glu Thr Trp Ala Xaa Thr Trp Lys Ala Lys Thr Glu Ala
35 40 45

<210> 1387
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1387

Ala	Ile	Tyr	Arg	Ile	Val	Trp	Ala	Phe	Ser	Cys	Lys	Trp	Ser	Glu	Gly
1					5					10				15	

Val	Thr	Phe	Ser	Pro	Leu	Xaa	Xaa	Xaa	Val	Xaa	Pro	Ile	Leu	Asn	Lys
			20					25					30		

Gly	Arg	Xaa	Glu	Thr
			35	

<210> 1388

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1388

Gly	Xaa	Ala	Arg	Lys	Xaa	Asp	Ala	Arg	Ile	Xaa	Lys	Ala	Trp	Val	Arg
1				5					10					15	

Arg	Ala	Gly	Thr	Gly	Ser	Gly	Asn	Ser	Arg	Gly	Arg	Pro	Thr	Arg	Ser
			20					25						30	

Gly	Ile	Met	Glu	Tyr	Asn	Met	Ser	Ser
		35					40	

<210> 1389

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1389

Xaa Cys Leu Xaa Phe Xaa Cys Arg Ser Leu Leu Val Xaa Ser Gly Xaa
1 5 10 15

Thr Arg Arg His Val Ser Pro Pro Xaa Ser Ser Pro Ile Phe Arg Val
20 25 30

Xaa Pro Leu Leu Asn Xaa Gln Arg Pro
35 40

<210> 1390

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1390

Gly Leu Cys Thr Phe Gly Ser Phe Tyr Xaa Lys Leu Lys Cys Tyr Tyr
1 5 10 15

Leu Gly Leu Tyr Leu Ala Ser Ala Phe Ser Phe Asn Cys Lys Val Glu
20 25 30

Ala Ile Lys Gln Tyr Phe Ser
35

<210> 1391

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1391

Lys Ala Arg Val Tyr Pro Met Lys Xaa Ala Gly Ser Gln Leu Pro Pro
1 5 10 15

Gln Pro Phe Lys Arg Lys His Leu Leu His Arg Ala Val Leu Gly Val
20 25 30

Lys Arg Leu Leu Thr Tyr Asp Arg Val Arg Lys Ser His Ile Leu Val
35 40 45

Asn Xaa Pro Phe Gly Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly
50 55 60

Pro Gly Tyr Pro Ile Xaa Pro
65 70

<210> 1392

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1392

Arg Arg Ile Thr Phe Trp Gly Ser His Ala Glu Gly Gly Ser Val Thr
1 5 10 15

Leu Pro Glu Lys Arg Val Ser Tyr Pro Xaa Ser Pro Gly Ser Thr Leu
20 25 30

Lys Lys Asp Leu Ala Thr Glu Gly Ala Leu Gly Leu Pro Xaa Ser Leu
35 40 45

Asp Ser Ser Tyr Lys Cys Pro Cys Ser Gln
50 55

<210> 1393
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1393
Gly Arg Ala Xaa Ala Ala Gly Pro Xaa Pro Ala Ala Gly Ala Val Ala
1 5 10 15

Ser Tyr Asp Tyr Leu Val Ile Gly Gly Gly Ser Gly Gly Leu Ala Xaa
20 25 30

Val Val Glu Ser His Lys Leu Gly Gly Xaa
35 40

<210> 1394
<211> 38
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1394

Gly Thr Arg Leu Ser Thr Ala Gln Leu Ser Pro Ala Gln Ser Asn Pro
1 5 10 15
Ala Gln Pro Ser Pro Thr Gln Pro Ser Ser Ala Gln Xaa Ser Pro Ala
20 25 30
Gln Leu Ser Ser Ala Xaa
35

<210> 1395

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1395

Lys Leu Lys Lys His Phe Leu Lys Gly Ala Leu Ile Lys Ser Glu Val
1 5 10 15
Phe Trp Leu Ser Phe Phe Ser Val Tyr Ile Phe Phe Leu Ser Leu Trp
20 25 30
His Arg Val Asp Leu Lys Tyr Ser Ser Ser Ile Leu His Ser Ser Pro
35 40 45
Ser Ile Gly Ser Ser Ser Phe Asn Glu Phe Gln Leu Tyr Leu Thr Ser
50 55 60
Ala Ser
65

<210> 1396

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1396

Leu Leu Leu Lys Arg Phe Pro Phe Leu Phe Lys Leu Leu Met Asp Gln

1	5	10	15
Arg Thr Ile Val Tyr Phe Phe Ser Leu Val Leu Asp Ile Asn Asp Asn			
20	25	30	
Leu Val Gly Asn Phe Phe Ser Lys Glu Asn Ile Phe Met Asn			
35	40	45	

<210> 1397

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1397

Met Glu Phe Arg Leu Leu Thr Phe Asn Val Ile Ile Asn Ile Val Gly
1 5 10 15

Phe Lys Cys Thr Val Leu Leu Phe Val Ser Tyr Leu Cys Gln Leu Phe
20 25 30

Phe Asn Val Phe Cys Ser Xaa Xaa Phe Leu Phe Phe Pro
35 40 45

<210> 1398

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1398

Asn	Phe	Tyr	Ser	Xaa	Lys	Asn	Leu	Gly	Phe	Pro	Leu	Asn	Ile	Pro	Pro
1				5				10						15	

Phe	Phe	Pro	Ser	Phe	Pro	Gln	Ile	Pro	Xaa	Phe	Tyr	Phe	Phe	Gly	Glu
			20					25						30	

Ile	Arg	Phe	Ala	Pro	Phe	Phe	Xaa	Pro	Thr	Leu	Leu	Xaa	Glu	Met	Pro
			35					40					45		

Xaa	Pro	Trp	Asn	Glu	Xaa	Lys	Gly	Xaa	Xaa	Leu	Arg	Leu	Xaa	Gly	
			50				55					60			

<210> 1399
<211> 45
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<400> 1399
Ile Leu Xaa His Phe Lys Phe Xaa His Arg Thr Ser Xaa Ser Leu Val
1 5 10 15

Asn Leu Met Leu Ser Lys Lys Glu Gln Leu Leu Gly Pro Lys Lys Lys
20 25 30

Leu Val Xaa Lys Leu Lys Phe Thr Pro Cys Ser Xaa Xaa
35 40 45

<210> 1400
<211> 69
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 Asp Phe Ala Lys Ser Tyr Leu Arg Asn Thr Ile Glu Gly Thr Pro Ala
 1 5 10 15
 Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val Leu Gly
 20 25 30
 Xaa Thr Xaa Gln Thr Gln Asp Arg Val Asp Ser Ala Cys Asp Gly Val
 35 40 45
 Xaa Xaa Leu Leu Ala Pro Leu His Gln Cys Leu Xaa His Ile Tyr Ile
 50 55 60
 Trp Cys Ala Gln Glu
 65

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<400> 1401

Arg	Leu	Lys	Asn	Ala	Arg	Gly	Tyr	Trp	Xaa	Ile	Ser	Ser	Tyr	Glu	Glu
1				5					10					15	

Arg	Ser	Xaa	Ser	Met	Lys	Xaa	Xaa	Gly	Arg	Lys	Met	Ser
			20					25				

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<400> 1402

Ser Cys Ser Xaa Arg His Glu Pro Gln Val Gln Thr Phe Gly Val Cys
1 5 10 15

Ala Trp Leu Arg Ser Gln Trp Gly Glu Ala Thr Ile Cys Gly Ile Met
20 25 30

Thr Glu Arg Leu Xaa Val Arg Ile Pro Pro Arg Arg Asn Asp Xaa Ala
35 40 45

Xaa Pro Xaa Ile Leu Gly Trp Pro Leu Ile Ser Gly Pro Pro Pro Val
50 55 60

Pro Ala Gly Gly Ala Gly Pro Gly Ser Arg
65 70

<210> 1403

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<400> 1403

Thr Ser Thr Val Lys Ser Thr Lys Leu Leu Ala Thr Thr Leu Arg Ala

1

5

10

15

Thr Ala Xaa Asn Ser Lys Glu Leu Ala Val Leu His Ile Pro Leu Lys

20

25

30

Arg Xaa Cys Ser Val Ile Asp Lys Pro Arg Ser Xaa Ser Pro Leu Leu

35

40

45

Leu Thr Tyr Xaa Gln Lys Lys Lys Lys Asn Ser Xaa Gly Ala Gly Ser

50

55

60

<210> 1404

<211> 42

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<400> 1404

Gly	Xaa	Asn	Thr	His	Xaa	Lys	Ser	Pro	His	Leu	Thr	Ile	Pro	Pro	Xaa
1					5				10					15	

Xaa	Xaa	Lys	Asn	Ala	Xaa	Ile	Arg	Met	Thr	Xaa	Val	Phe	Leu	Leu	Ser
			20					25					30		

Lys	Xaa	Asp	Pro	Ser	Cys	Ala	Pro	Leu	Ala
		35					40		

<210> 1405

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1405

Lys	Leu	Leu	Leu	Gln	Gly	Leu	Ala	Thr	Cys	Arg	Gln	Glu	Glu	Ala	Glu
1				5					10					15	

Leu	Asp	Ile	Arg	Pro	Gln	Gly	Cys	His	Leu	Ser	Cys	Arg	Ala	Trp	Pro
			20					25					30		

Cys	Gly	Gln	Gly	Ala	Val	Leu	Cys	Leu	Val	Gly	Pro	Gln	Pro	Leu	Arg
		35					40					45			

Ala	Glu	Met	Leu	Ser	Val	Pro	Gln	Gly	Lys	Gly	Arg	Val	Phe	Trp	Lys
	50						55				60				

Ala	Leu	Pro	Trp	Thr	Phe	Val	Leu	Gly	Leu	Arg	Gly	Pro	Thr	Leu	Pro
65						70				75				80	

His Thr Cys Pro

<210> 1406

<211> 60

<212> PRT

<213> Homo sapiens

<400> 1406

Leu Leu Gly Asp Lys Lys Ala Trp Glu Gly Pro Val Pro Lys Pro Ser
 1 5 10 15

Leu Pro Gly Asp Trp Ala Val Ile Pro Leu Leu Pro Gly Leu Leu Pro
 20 25 30

Trp Pro Pro Arg Gly Ala Asp Thr Leu Ala Pro Gly Ala Gly Glu Asn
 35 40 45

Pro Pro Gly Gly Arg Arg Lys Ala Arg Ala Gly Asp
 50 55 60

<210> 1407

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1407

Gln Asn Pro Leu Ser Ser Pro Phe Gly Pro Gly Leu Arg Gly Pro Gly
 1 5 10 15

Gly Ala Gly Gly Glu Leu Ser Gly Ala Thr Thr Pro Cys Pro Gln Trp
 20 25 30

Thr Asn His Ser Ser Ser Gln Gly Trp Ala Leu Glu Val Pro Gly Arg
 35 40 45

Arg Val Pro Leu Pro Ser Ala Ile His Val Arg Ser Leu Val Gly Gly
 50 55 60

Pro Gln Ser His Ser Gly Lys Gly Ser Arg Val Gln Pro Ser Ser Cys
 65 70 75 80

Ser Phe Pro Ser Leu Ile Ser Ile Asn Leu Ser Thr Pro Leu Leu Trp
 85 90 95

Gly

<210> 1408

<211> 36

<212> PRT

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<400> 1408

Asn Pro Gly Xaa Pro Xaa Val Xaa Phe Pro Pro Xaa Xaa Lys Glu Thr
1 5 10 15

Thr Thr Trp Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30

Asn Lys Glu Xaa
35

<210> 1409

<211> 70

<212> PRT

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<400> 1409

Cys Gln Glu Cys Arg Leu Val Tyr Val Pro Gly Gly Gly Thr Gln Arg
1 5 10 15

Gly Ala Pro Gly Phe Pro Cys Pro Pro Ala Ala Leu Pro Leu Phe Pro
20 25 30

Phe Phe Pro Asp Xaa Arg Pro Glu Pro Val Pro Xaa Leu Xaa Ile Asn
35 40 45

Leu Cys Glu Ile Lys Lys Lys Lys Lys Asn Ser Gly Gly Gly Pro
50 55 60

Val Pro Xaa Trp Ala Leu
65 70

<210> 1410

<211> 149

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<213> Homo sapiens

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<400> 1410

Gly Arg Ala Pro Glu Glu Gln Asp Ala Leu Tyr Leu Gln Arg Arg Glu
1 5 10 15

Ala Ala Ser Xaa Pro Xaa Leu Xaa Leu Pro Glu Ser Arg Lys Asp Pro
20 25 30

Pro Trp Asp Ser Ser Val Cys Xaa Lys Asp Ala Pro Xaa Leu Xaa Pro
35 40 45

Gly Phe Pro Ser Xaa Arg His Arg Thr Gln Phe Ser Arg Pro Gly Gly
50 55 60

Arg Ala Pro Ile Thr Pro Gln Ala Lys Xaa Lys Pro Pro Cys Pro Gly
65 70 75 80

Pro Lys Pro Leu Xaa Pro Pro Phe Pro Trp Phe Pro Arg Glu Pro Val
85 90 95

Thr Thr Leu Xaa Arg Ala Leu Thr Pro Met Ala Ser Phe Leu Trp Phe
100 105 110

Ser Pro Arg Gly Gln Leu Val Pro Asn Xaa Xaa Xaa Arg Leu Gly Phe
115 120 125

Pro Xaa Lys Lys Asn Phe Gly Phe Ile Xaa Lys Lys Lys Arg Xaa Gly
130 135 140

Gly Gly Gly Pro Gly

145

<210> 1411
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<400> 1411

Pro Xaa Leu Gly Ile Xaa Asn Leu Leu Xaa Ser Ser His Cys Pro Lys

1

5

10

15

Pro Ser Xaa Cys Leu Leu Asp Ala Tyr Ser Xaa Cys Gly Tyr Gly Gly

20

25

30

Ser Leu Ser Pro Xaa Ser Asp Met Ser Ser Leu Leu Gly Val Asn Xaa

35

40

45

Ser Xaa Glu Asp Thr Phe Xaa Asn Lys Leu Phe Pro Gln Leu Ile Ser

50

55

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Val

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<210> 1412

<211> 116

<212> PRT

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<400> 1412

Glu Phe Gln Ser Met Gly Ser Arg Leu Ser Gln Pro Phe Glu Ser Tyr

1

5

10

15

Ile Thr Ala Pro Pro Gly Thr Ala Ala Ala Pro Ala Lys Pro Ala Pro

20

25

30

Pro Ala Thr Pro Gly Ala Pro Thr Ser Pro Ala Glu His Arg Leu Leu

35

40

45

Lys Thr Cys Trp Ser Cys Arg Val Leu Ser Gly Leu Gly Leu Met Gly

50

55

60

Ala Gly Gly Tyr Val Tyr Trp Val Ala Arg Lys Pro Met Xaa Xaa Gly

65

70

75

80

Tyr Pro Pro Ser Pro Trp Thr Ile Thr Gln Met Val Ile Gly Leu Ser
 85 90 95

Glu Asn Gln Gly Ile Ala Thr Trp Gly Ile Val Val Met Ala Asp Pro
 100 105 110

Lys Gly Lys Ala
 115

<210> 1413

<211> 52

<212> PRT

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<400> 1413

Asn Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro Leu Asn Pro Leu
 1 5 10 15

Xaa Asn Leu Thr Val Val Gln Arg Gly Thr Ala Leu Trp Thr Leu Gly
 20 25 30

Lys Asn Leu Val Glu Arg Gly Lys Xaa Tyr Thr His Ser Xaa Pro Lys
 35 40 45

Ser Ser Thr Asn
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<210> 1414

<211> 52

<212> PRT

<213> Homo sapiens

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<400> 1414

Pro	Thr	Glu	Gln	Val	Thr	Leu	Gly	Ile	Thr	Ala	Gln	Ser	Tyr	Ser	Arg
1				5				10					15		

Val	His	Ile	Asn	Asn	Arg	Val	Tyr	Asp	Leu	Asp	Val	Gly	Ser	Gly	His
			20					25					30		

Pro	Asp	Gly	Ala	Ala	Ala	Ile	Lys	Gly	Ser	Phe	Gly	Gln	Arg	Leu	Lys
		35					40					45			

Xaa	Tyr	Val	Ile
		50	

<210> 1415

<211> 55

<212> PRT

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<220>

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<222> (45)

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<400> 1415

Ser	Lys	Ser	Ala	Xaa	Phe	Gln	Arg	Leu	Trp	Tyr	Gly	Leu	Ser	Ala	Ala
1				5					10					15	

Ser	Asn	Lys	Met	Lys	Ser	Gln	Asn	Arg	Ala	Xaa	Xaa	Xaa	Lys	Ser	Ile
			20					25					30		

Phe	Ser	Ala	Val	Leu	Asp	Cys	Thr	Xaa	Ala	Leu	Pro	Xaa	Ile	Asp	Thr
			35					40					45		

Gln	Thr	Pro	Leu	Gln	Thr	Gln
	50					55

<210> 1416

<211> 65

<212> PRT

<213> Homo sapiens

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<400> 1416

Ile	Cys	Pro	Gln	Asn	Pro	Leu	Asn	Pro	Leu	Val	Asn	Leu	Thr	Val	Ser
1				5					10					15	

Pro	Lys	Arg	Asn	Ser	Ser	Leu	Asp	Thr	Arg	Lys	Lys	Pro	Cys	Arg	Glu
			20					25					30		

Ser	Xaa	Lys	Phe	Asn	Thr	His	Ser	Arg	Pro	Lys	Ser	Ser	His	Gln	Leu
			35					40					45		

Arg	Lys	Arg	Gln	Ala	Gln	His	Pro	Leu	Pro	Lys	Lys	Ser	Gln	Thr	Tyr
			50				55					60			

Asn

65

<210> 1417

<211> 22

<212> PRT

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<400> 1417

Asp	Thr	Ser	Xaa	Gly	Thr	Gly	Pro	Met	Glu	Met	Tyr	Arg	Xaa	Phe	Pro
1				5					10					15	

Ile	Leu	Val	Xaa	Ser	Leu
				20	

<210> 1418

<211> 54

<212> PRT

<213> Homo sapiens

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<400> 1418

Gly Ile Arg Ile Phe Cys Lys Trp Arg His Ile Gln Lys Lys Ser Leu
1 5 10 15

Asn Gly Xaa Ile Gly Met Glu Trp Gly Lys Xaa Phe Trp Lys Xaa Ile
20 25 30

Pro Ile Leu Pro Gly Arg Leu Phe Glu Val Xaa Ile Xaa Val Pro Asn
35 40 45

Lys Val Asn Xaa Phe Leu
50

<210> 1419

<211> 39

<212> PRT

<213> Homo sapiens

<400> 1419

Gln Leu Leu Leu Ser Val Arg Leu His Phe Ala Pro Tyr Asn Tyr Cys
1 5 10 15

Phe Gln Ile Ser Thr Cys Met Cys Leu Ser Leu Lys Ala Leu Val Lys
20 25 30

Ser His Ile Leu Tyr Ser Ala
35

<210> 1420

<211> 45

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1420

Gly	Gly	Gly	Ala	Xaa	Pro	Glu	Gly	Leu	Ser	Leu	Leu	Ala	Pro	Ser	Ala
1				5				10					15		

Arg	Ser	Arg	Ala	Gly	Arg	Ala	Leu	Pro	Ala	Pro	Gly	Thr	Val	Pro	Gly
			20				25						30		

Gly	Glu	Tyr	Asp	Xaa	Xaa	Xaa	Thr	Pro	Val	Lys	Xaa	Glu
			35				40					45

<210> 1421

<211> 136

<212> PRT

<213> Homo sapiens

<400> 1421

Ala	Ala	Ala	Ala	Ala	Gly	Asp	Pro	Gly	Ala	Met	Gly	Arg	Ala	Arg	Asp
1				5				10						15	

Ala	Ile	Leu	Asp	Ala	Leu	Glu	Asn	Leu	Thr	Ala	Glu	Glu	Leu	Lys	Lys
			20					25						30	

Phe	Lys	Leu	Lys	Leu	Leu	Ser	Val	Pro	Leu	Arg	Glu	Gly	Tyr	Gly	Arg
			35					40						45	

Ile	Pro	Arg	Gly	Ala	Leu	Leu	Ser	Met	Asp	Ala	Leu	Asp	Leu	Thr	Asp
			50				55							60	

Lys Leu Val Ser Phe Tyr Leu Glu Thr Tyr Gly Ala Glu Leu Thr Ala
 65 70 75 80
 Asn Val Leu Arg Asp Met Gly Leu Gln Glu Met Ala Gly Gln Leu Gln
 85 90 95
 Ala Ala Thr His Gln Gly Ser Gly Ala Ala Pro Leu Gly Ser Arg Pro
 100 105 110
 Leu Leu Ser Arg Gln Pro Ser Gln Ala Cys Thr Leu Ile Asp Gln His
 115 120 125
 Arg Ala Ser Leu Ser Arg Arg Ser
 130 135

<210> 1422

<211> 115

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<400> 1422

Gly Met Thr Pro Phe Cys Gly Leu Lys Cys Asp Ala Leu Gln Lys His
 1 5 10 15

His Ser Asp Gly Gln Leu Asp Ser Gly Val Leu Arg Leu Cys Pro Leu
 20 25 30

Pro Thr Ala Ser Leu Pro His Pro Ser Leu Gln Ser His Phe Ser Asp
 35 40 45

Arg Ala Ile Pro Lys Asn Thr Glu Gly Leu Glu Cys Trp Leu Ala Thr
 50 55 60

Leu Cys Leu Ser Gly Leu Pro Lys Ala Trp Lys Lys Glu Gly Pro Asp
 65 70 75 80

Cys Gln Gly Asn Leu Leu Ile Gly Leu Arg Arg His Trp Ser Leu Xaa
 85 90 95

Cys Gly Ala Pro Gln Ser Cys Arg Ser Asn Ala Leu Leu Ala Xaa Leu
100 105 110

Ala Trp Leu
115

<210> 1423
<211> 52
<212> PRT
<213> Homo sapiens

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<400> 1423
Arg Ala His Pro Ser Ile Phe Ala Xaa Ile Val Gly Lys Ile Tyr Arg
1 5 10 15

Phe Glu Gly Glu Gln Thr Tyr Arg Ala Trp Leu Ile Ser Leu Phe Val
20 25 30

Pro Arg Leu Glu Ser Leu Phe Pro Thr Phe Xaa Phe Leu Pro His Gln
35 40 45

Xaa Pro Ser Phe
50

<210> 1424
<211> 53
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1424

Leu	Cys	Lys	Gly	Glu	Pro	Lys	Leu	Arg	Pro	Pro	Lys	Pro	Asp	Glu	Leu
1				5				10						15	

Pro	Lys	Lys	Gln	Leu	Lys	Glu	His	Thr	Arg	Leu	Cys	Ser	Lys	Ile	Val
			20					25					30		

Gly	Arg	Phe	Ile	Gly	Xaa	Gly	Asp	Lys	Pro	Thr	Glu	Pro	Gly	Asp	Ser
		35					40						45		

Trp	Phe	Pro	Xaa	Glu
				50

<210> 1425

<211> 23

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<400> 1425

Leu	Phe	Phe	Phe	Leu	Asn	Xaa	Xaa	Leu	His	Xaa	Phe	Ser	Xaa	Phe	Gln
1				5				10						15	

Asp Gly Arg Cys Tyr Gly Phe
20

<210> 1426

<211> 75

<212> PRT

<213> Homo sapiens

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<400> 1426

Lys Gly Leu Glu Lys Gln Xaa Arg Leu Lys Ala Xaa Ser Ser Lys Pro
1 5 10 15

Asn Gln Xaa Ser Xaa Xaa Gly Gln Xaa Val Ala Leu Xaa Val Pro Xaa
20 25 30

Gln Lys Xaa Xaa Xaa Trp Glu Lys Gly Glu Xaa Xaa Gly Asn Xaa Xaa
35 40 45

Leu Lys Leu Xaa Leu Leu Gly Xaa Ile Pro Pro Trp Lys Leu Xaa Ser
50 55 60

Phe Leu Gly Lys Arg Xaa Lys Xaa Gln Pro Xaa
65 70 75

<210> 1427

<211> 174

<212> PRT

<213> Homo sapiens

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<400> 1427

Pro	Pro	Cys	Cys	Cys	Pro	Thr	Thr	Pro	Thr	Cys	Ser	Arg	Cys	Gly	Arg
1				5					10					15	

Cys	Arg	Gly	Gly	Trp	Ala	Ala	Gln	Leu	Thr	Gly	Arg	Arg	His	Ser	Pro
		20					25						30		

Arg	His	Ala	Gly	Ser	Pro	Arg	Pro	Ala	Arg	Trp	Pro	Cys	Lys	Thr	Ala
		35					40					45			

Ser	Gly	Pro	Ser	Pro	Ser	Cys	His	Ala	Ala	Xaa	Gly	Asp	Met	Gly	Arg
	50					55					60				

Val	Ala	Leu	Lys	Ser	Arg	Gly	Ala	Val	Gly	Thr	Asp	Cys	Gly	Gln	Glu
65					70				75						80

Ala	Trp	Lys	Val	Trp	Cys	Gly	Cys	Xaa	Cys	Glu	Ser	Glu	Cys	Glu	Cys
			85						90					95	

Ala	Gly	Arg	Pro	Gln	Gly	Gln	Glu	Ala	Ala	Ala	Pro	Arg	Leu	Lys	Ala
			100					105					110		

Met	Ala	Ala	Met	Asp	Leu	Xaa	Gln	Gly	Pro	Arg	Leu	His	Gly	Xaa	Arg
			115				120					125			

Thr	Trp	Asn	His	Asp	Ser	Gly	His	Trp	Ile	Trp	Gly	Gln	Gly	His	Val
						130		135			140				

Asp	Lys	Thr	Phe	Xaa	Thr	Val	Phe	Phe	Thr	Lys	Ala	Glu	Glu	Pro	Arg
145					150					155				160	

Met Xaa Pro His Ala Pro Pro Asn Asn Cys Pro Xaa Leu Arg
165 170

<210> 1428
<211> 64
<212> PRT
<213> Homo sapiens

<400> 1428
Ser Ile Gly Ser Gly Thr Ser Cys Arg Thr Gln Leu Lys Thr His Val
1 5 10 15
Phe Phe His Arg Ile Met Cys Gln Phe Phe Val Ala Met Ile Phe Leu
20 25 30
Leu Glu Ser Gln Lys Cys Phe Val Pro Glu His Leu Gln Thr Ala Leu
35 40 45
Arg Lys Asn Ser Gln Asn His Pro Leu Phe Pro Phe Leu Tyr Tyr Leu
50 55 60

<210> 1429
<211> 120
<212> PRT
<213> Homo sapiens

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<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1429

Asp Xaa Gly Phe Arg Met Ala Ala Pro Val Arg Ile Thr Val Leu Cys
1 5 10 15

Ser Lys Glu Asn Asp Ser Thr Cys Ser Phe Ser Leu Val Glu Val Thr
20 25 30

Leu Val Ser Cys Trp Gly Gly Gly Xaa His Phe Phe Xaa Val Ser Val
35 40 45

Glu Ser Lys Met Asn Asn Lys Ala Gly Ser Phe Phe Trp Asn Leu Arg
50 55 60

Gln Phe Ser Thr Leu Val Ser Thr Ser Arg Thr Met Arg Leu Cys Cys
65 70 75 80

Leu Gly Leu Cys Lys Pro Lys Ile Val Pro Phe Lys Leu Glu His Phe
85 90 95

Glu Ile Thr Phe Ile Thr Glu Cys Asn Gln Arg Met Ile Ile Glu Xaa
100 105 110

Ala Leu Ala Gly Cys Xaa His Phe
115 120

<210> 1430

<211> 54

<212> PRT

<213> Homo sapiens

<400> 1430

Thr Cys Val Thr Lys Lys Lys Met Asn Val Leu Lys Arg Val Leu Gly
1 5 10 15

Gly Trp Phe Asn Lys Glu Thr Lys Met Leu Trp Cys Leu Asp Leu Trp
20 25 30

Leu Leu Lys Met Ser Ser Gln Val Lys Ser Leu Val Cys Leu His Leu
35 40 45

Ile His Phe Cys Thr Asn
50

<210> 1431

<211> 132

<212> PRT

<213> Homo sapiens

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<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1431

Thr	Val	Thr	Val	Xaa	Xaa	Ser	Arg	Val	Arg	Pro	Ser	Ala	Ser	Gly	Arg
1				5					10					15	

Val	Phe	Met	Trp	Thr	Val	Ser	Gly	Thr	Pro	Cys	Arg	Glu	Phe	Trp	Ser
			20					25					30		

Arg	Phe	Arg	Lys	Glu	Lys	Glu	Pro	Val	Val	Val	Glu	Thr	Val	Glu	Glu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	35		40		45														
Lys	Lys	Glu	Pro	Ile	Leu	Val	Cys	Pro	Pro	Leu	Arg	Ser	Arg	Ala	Tyr				
	50						55				60								
Thr	Pro	Pro	Glu	Asp	Leu	Gln	Ser	Arg	Leu	Glu	Ser	Tyr	Val	Lys	Glu				
	65				70					75					80				
Val	Phe	Gly	Ser	Ser	Leu	Pro	Ser	Asn	Trp	Gln	Asp	Ile	Ser	Leu	Glu				
				85					90					95					
Asp	Ser	Arg	Leu	Lys	Phe	Asn	Leu	Leu	Ala	His	Leu	Ala	Asp	Asp	Leu				
			100					105					110						
Gly	His	Val	Val	Pro	Lys	Leu	Xaa	Thr	Pro	Pro	Asp	Val	Xaa	Gly	Xaa				
	115						120					125							
Arg	Cys	Xaa	Xaa																
	130																		

<210> 1432

<211> 30

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1432

Ser Gly Thr Val Lys Arg His Xaa Arg Xaa Xaa Ile Ser Gly Arg Pro

1

5

10

15

Pro Ala Pro Pro Arg Xaa Pro Arg Glu Gly Pro Gly Ala Gly
 20 25 30

<210> 1433

<211> 43

<212> PRT

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<400> 1433

Thr Pro Leu Ser Gln Asn Pro Ala Gln Ala Glu Arg Tyr Gly Ser Ala
 1 5 10 15

Ala Glu Pro Arg Leu Ala Ser Asp Ser Arg Ser Pro Arg Cys Pro Arg
 20 25 30

Arg Arg Ala Ala Xaa Xaa Xaa Arg Xaa Pro Pro
 35 40

<210> 1434

<211> 47

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1434

Leu Asn Ala Ser Lys Ser Glu Ser Arg Pro Gly Gly Thr Ile Arg Gln
1 5 10 15

Arg Arg Gly Ala Ser Asp Gly Ser Asp Ser Arg Ser Pro Ala Xaa Pro
20 25 30

Arg Arg Arg Ala Ala Pro Pro Xaa Arg Ala Xaa Arg Ala Arg Glu
35 40 45

<210> 1435

<211> 51

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1435

Cys Leu Ser Phe Leu Tyr Tyr His Arg Tyr Phe Pro His Ser Leu Ala
1 5 10 15

Xaa Ala Cys Arg Met Leu Xaa Lys Ser Leu Ile Asn His Trp Ala Lys
20 25 30

Tyr Thr Glu Gly Glu Ala Ser Ser Ile Phe Lys Leu Val Ser Lys Phe
35 40 45

Phe Ile Ala

50

<210> 1436
 <211> 96
 <212> PRT
 <213> Homo sapiens

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<400> 1436
 Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
 1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Val
 20 25 30

Val Gln Asp Arg Ile Leu Ser Ser Thr Leu Asn Leu Pro Gln Asn Pro
 35 40 45

Leu Asn Pro Leu Xaa Asn Leu Thr Gly Ser Pro Lys Arg Asn Ser Ser
 50 55 60

Leu Asp Thr Arg Lys Lys Pro Cys Xaa Glu Ser Lys Lys Ile Asn Xaa

65		70		75		80									
His	Ser	Xaa	Pro	Lys	Ser	Ser	Thr	Xaa	Xaa	Lys	Ala	Val	Lys	Leu	Thr
				85					90					95	

<210> 1437
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1437
 Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
 1 5 10 15
 Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
 20 25 30
 Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
 35 40 45
 Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
 50 55

<210> 1438
 <211> 121
 <212> PRT
 <213> Homo sapiens

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<400> 1438
 Asp Gly Gly Ser Ser Val Gln Ser Glu Ala Glu Ala Ser Val Asp Pro
 1 5 10 15
 Ser Leu Ser Trp Gly Gln Arg Lys Lys Leu Tyr Tyr Asp Thr Asp Tyr
 20 25 30
 Gly Ser Lys Ser Arg Gly Arg Gln Ser Gln Gln Glu Ala Glu Glu Glu
 35 40 45
 Glu Arg Glu Glu Glu Glu Ala Gln Ile Ile Gln Arg Arg Leu Ala

50 55 60
 Gln Ala Leu Gln Glu Asp Asp Phe Gly Val Ala Trp Val Glu Ala Phe
 65 70 75 80
 Ala Lys Pro Val Pro Gln Val Asp Glu Ala Glu Thr Arg Val Val Lys
 85 90 95
 Asp Leu Ala Lys Gly Ser Val Glu Arg Lys Thr Xaa Lys Cys Cys Lys
 100 105 110
 Arg Asn His Gln Asn Ser Trp Ser Leu
 115 120

<210> 1439

<211> 78

<212> PRT

<213> Homo sapiens

<220>

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<222> (71)

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<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1439

Leu Leu Asn Ile Leu Glu Phe Phe Tyr Ser Trp Tyr Leu Lys Lys Lys
 1 5 10 15

Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Phe
 20 25 30

Thr Arg Ala Cys Asp Val His Ser Ser Leu Pro Ile Val Ser Arg Ile
 35 40 45

Ile Lys Leu Gly Thr Gly Arg Ala Val Tyr Asn Val Arg Gly Leu Gly
 50 55 60

Arg Ser Ala Ser Leu Gly Xaa Xaa Val Glu Gly Thr Leu Leu
 65 70 75

<210> 1440

<211> 121

<212> PRT

<213> Homo sapiens

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<220>

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<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1440

Leu Cys Ala Phe Ser Ala Pro Phe Ser Gly Cys Pro Thr Leu Pro Leu

1 5 10 15

His Ala Ala Trp Ala Ala Arg Xaa Arg Xaa Pro Thr Gly Ser Lys Cys

20 25 30

Ala Phe Leu Arg Ala Leu Pro Glu Ser Ser Thr Ala His Pro Val Ala

35 40 45

Pro Cys Leu Ala Trp Pro Gly Leu Pro Gly Pro Ser Leu Pro Met Leu

50 55 60

Leu His Val Leu Ile Phe Leu Phe Gly Pro Leu Leu Pro Pro Leu Ala

65 70 75 80

Val Leu Pro Leu Gly Leu Xaa Pro Ser Cys Leu Asn Leu Gly Lys Val

85 90 95

Leu Ser Leu Trp Xaa Ser Ser Ser Xaa Pro Arg Val Leu Glu Pro Gly

100 105 110

Leu Phe Pro Thr Gly Pro Thr Leu Thr

115

120

<210> 1441
<211> 121
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1441

Gln Xaa Ile Ser Ala Pro Trp Gly Leu Glu Gln Asn Trp Gln Arg Gly

1 5 10 15

Lys Arg Ser Leu Arg Ala Ser Val Thr Gln Asp Leu Pro Pro Ala Cys

20 25 30

Pro Ser Pro Ala Arg Leu Leu Glu Asn Gly His Cys Ala Gln Pro Gly

35 40 45

Pro Trp Ala Ala Gln Ala Gly Val Xaa His Gly Pro Gly Pro Pro Ser

50 55 60

Leu Pro Leu Leu Arg Pro Pro Ala Phe Arg Gln Ala Lys Ala Xaa Phe

65 70 75 80

Xaa Pro Thr Arg Pro Pro Gln Gly Ala Ser Gly Ala Gln Val Gly Pro

85 90 95

Ser Phe Asn Leu Pro Val Val Val Val Gly Ala Leu Xaa Xaa Pro Gln

100 105 110

Arg Ser His Phe Xaa Gly Xaa Xaa Trp

115 120

<210> 1442

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1442

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg

1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu

20 25 30

Ser Lys Ile Glu Ser

35

<210> 1443

<211> 61

<212> PRT

<213> Homo sapiens

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<400> 1443

Ala Lys Pro Xaa Pro Lys Pro Thr Pro Pro Tyr Tyr Xaa Thr Thr Leu
1 5 10 15

Ala Lys Pro Phe Thr Gln Ile Lys Tyr Xaa Arg Tyr Lys Leu Lys Pro
20 25 30

Xaa Xaa Ile His Ile Leu Pro Pro Gly Lys His Glu Lys Leu Xaa Pro
35 40 45

Xaa Xaa Ile Xaa Xaa Gly Leu Thr Pro Ile Pro Ser Ala
50 55 60

<210> 1444

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1444

Asn Ala Tyr Val Asn Phe Phe Leu Phe Leu Ser Ile His Pro Asn Lys
1 5 10 15

Lys Ile Thr Gly Lys Pro Met Phe Leu Arg Cys His Tyr Ser Lys Gln
20 25 30

Asn Lys Arg
35

<210> 1445

<211> 79

<212> PRT

<213> Homo sapiens

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<400> 1445

Gly	Arg	Gly	Ser	Ser	Gly	Leu	Met	Leu	Gly	Cys	Arg	Ser	Ala	Pro	Val
1				5					10					15	

Ala	Thr	Pro	Pro	Xaa	Gln	Pro	Gly	Xaa	Leu	Gly	Ala	Arg	Leu	Gly	Val
			20					25					30		

Leu	Thr	Gly	Val	Gly	Xaa	Thr	Pro	Asn	Ser	Lys	Ser	Leu	Arg	Lys	Arg
		35					40					45			

Glu	Val	Glu	Gly	Glu	Ala	Ser	Xaa	Xaa	Ile	Lys	Ala	Pro	Ile	Arg	Ser
	50					55					60				

Lys	Lys	Lys	Lys	Lys	Xaa	Xaa	Gly	Gly	Gly	Pro	Xaa	Pro	Asn	Xaa
65						70				75				

<210> 1446

<211> 104

<212> PRT

<213> Homo sapiens

<400> 1446

Phe Ala Cys Ser Arg Arg Gly Val Ala Leu Ile Ser Ala Met Ser Ser

1

5

10

15

Gln Lys Gly Asn Val Ala Arg Ser Arg Pro Gln Lys His Gln Asn Thr

20

25

30

Phe Ser Phe Lys Asn Asp Lys Phe Asp Lys Ser Val Gln Thr Lys Lys

35

40

45

Ile Asn Ala Lys Leu His Asp Gly Val Cys Gln Arg Cys Lys Glu Val

50

55

60

Leu Glu Trp Arg Val Lys Tyr Ser Lys Tyr Lys Pro Leu Ser Lys Pro

65

70

75

80

Lys Lys Cys Val Lys Cys Leu Gln Lys Thr Val Lys Asp Ser Tyr His

85

90

95

Val Met Cys Arg Pro Cys Ala Leu

100

<210> 1447

<211> 34

<212> PRT

<213> Homo sapiens

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<400> 1447

Tyr Pro Arg Xaa Leu Xaa Cys His Arg Val Ala Gln Ala Cys Pro Ala

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10

15

Thr Pro Arg Ile Thr Leu Trp Pro Ser Ala Ser Gly Met Ser Xaa Arg
20 25 30

Trp Ser

<210> 1448

<211> 80

<212> PRT

<213> Homo sapiens

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<400> 1448

His	Xaa	Xaa	Asn	Pro	Xaa	Ser	Asn	Xaa	Lys	Tyr	His	Arg	His	Xaa	Xaa
1				5					10					15	

His	Lys	Glu	Tyr	Lys	Xaa	His	His	Pro	Xaa	Ala	Trp	Glu	Asn	Val	Val
		20						25					30		

Glu	Asn	Leu	His	Leu	Tyr	Xaa	Ile	Leu	Lys	Met	Lys	Leu	Gly	Val	Val
	35						40					45			

Val	His	Thr	Cys	Gly	Pro	Ser	Leu	Leu	Gly	Xaa	Leu	Gln	Pro	Gly	Xaa
	50					55					60				

Xaa	Ala	Pro	Xaa	Gln	Gly	Leu	Val	Ala	Ala	Met	Ser	Ser	Xaa	Leu	Ala
65					70					75				80	

<210> 1449

<211> 110

<212> PRT

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<400> 1449

Gly	Thr	Val	Tyr	Leu	Glu	Leu	Arg	Gly	Phe	Pro	Arg	Thr	Met	Gly	Met
1				5				10					15		

Ala	Lys	Asn	Lys	Leu	Val	Lys	Ser	Asp	Pro	Gly	Thr	Gln	Gln	Leu	Ile
			20					25					30		

Leu	Xaa	Phe	Phe	Leu	Ser	Leu	Ser	Arg	Val	Phe	Phe	Pro	Pro	Trp	Ala
		35					40					45			

Gly	Met	His	Thr	Ala	Ala	Ala	Leu	Val	Ser	Gly	Gln	Ala	Asp	Gly	Leu
	50					55					60				

Gly	Ala	Ser	Pro	Arg	Gly	Val	Ala	Gly	Ala	Glu	Asp	Pro	Pro	Arg	Arg
65					70					75				80	

Thr	Pro	Ala	Ser	Ser	Ala	Gly	Gln	Arg	Gln	Ala	Gly	Arg	Ala	Phe	Arg
				85					90					95	

Gly	Ala	Arg	Ala	Phe	Xaa	Gln	Ala	Cys	Ser	Pro	Xaa	Cys	Ser
			100					105					110

<210> 1450

<211> 111

<212> PRT

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<400> 1450

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1				5					10					15	

Arg	Asp	Val	His	His	Gly	Trp	Ala	Pro	Arg	Gly	Glu	Arg	Arg	Pro	Thr
		20						25						30	

Xaa	Ala	Val	Pro	Val	Arg	Glu	Arg	Glu	Gly	Phe	Arg	Gly	Val	Arg	Arg
		35						40				45			

Arg	Thr	Leu	Gly	Pro	Pro	Ala	Ala	Val	Tyr	Arg	Ala	Ser	His	Leu	Leu
	50					55					60				

Ser	Xaa	Phe	Pro	Leu	Ser	Arg	Ser	Lys	Asn	Thr	Lys	Leu	Gly	Thr	Pro
65					70					75					80

Ser Ala Pro Pro Pro Arg Leu Pro Gly Pro Ile His Asn Phe Asn Xaa
 85 90 95

Xaa Pro Gly Ser Pro Ser Phe Arg Gly Gly Leu Gly Arg Gly Cys
 100 105 110

<210> 1451

<211> 40

<212> PRT

<213> Homo sapiens

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<400> 1451

Xaa Lys Leu Trp Ser Phe Cys Leu Val Ala Leu Lys Xaa Phe Cys Ala
 1 5 10 15

Ile Met Gln Gln Tyr Gly Gly Lys Ile Leu Trp Lys Asn Gly Asp Xaa
 20 25 30

Leu Xaa Xaa Pro Gln Xaa Ile Lys

35

40

<210> 1452

<211> 40

<212> PRT

<213> Homo sapiens

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<400> 1452

Thr Ser Ser Gly Thr Arg Asp Leu Pro Leu Gly Trp Pro Ala Arg Arg

1

5

10

15

Xaa Arg Xaa Gly Xaa Pro Gly Ser Thr His Ala Ser Ala Ile Leu Leu

20

25

30

Glu Xaa Ile Xaa Leu Ser Pro Pro

35

40

<210> 1453

<211> 67

<212> PRT

<213> Homo sapiens

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<400> 1453

Xaa	Ser	Ala	Thr	Gln	Glu	Val	Arg	Ile	Leu	Leu	Ala	Ser	Ala	Gly	Cys
1				5					10					15	

Cys	Phe	Phe	Ser	Gly	Ser	Gly	Thr	Gly	Arg	Gly	Pro	Val	Val	Tyr	Leu
			20					25						30	

Thr	Gln	Met	Gly	Asp	Glu	Lys	Val	Leu	Leu	Xaa	Lys	Xaa	Lys	Thr	Leu
			35					40					45		

Asp	Gly	Asn	Ser	Ser	Gly	Lys	Arg	Asn	Glu	Xaa	Arg	Asn	Lys	Arg	Arg
		50				55					60				

Lys	Gln	Xaa
65		

<210> 1454

<211> 44

<212> PRT

<213> Homo sapiens

<400> 1454

Asn	Ser	Glu	His	Ser	Thr	His	Val	Trp	His	Phe	Lys	Val	Lys	Thr	Ser
1				5					10					15	

Val Thr Ser Arg Thr Lys Glu Ile Val Ser Tyr Thr Phe Ile Phe Met
20 25 30

Asn Ser Phe Ile Phe Leu Phe Asn Asp Ser Leu Phe
35 40

<210> 1455
<211> 39
<212> PRT
<213> Homo sapiens

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<400> 1455
Thr Ser Thr Ser Trp Cys Val Ser Leu Thr Gly Val Glu Asp Gln Thr
1 5 10 15

Gly Xaa Xaa Xaa Xaa Cys Ser Glu Arg Val Arg Ser Tyr Trp Ile Ile
20 25 30

Ile Xaa Leu Asn Pro Lys Gln
35

<210> 1456
<211> 149
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1456

Ser Pro Pro Pro Pro Gly Leu Ala Leu Pro Gly Gly Tyr Asp Trp Ser
1 5 10 15

His Trp Ser Arg Arg Ile Pro Ala Ser Ser Val Ala Ala Ser Thr Ser
20 25 30

Leu Ser Arg Pro Arg Pro Ala Pro Arg Arg Leu Leu Trp Val Arg Pro
35 40 45

Pro Arg Gly Ala Ala Xaa Ser Gln Ala Ala Gly Gln Ala Arg Leu Lys
50 55 60

Ser Leu Gln Trp Leu Thr Asn Leu Ser Leu Ser Val Leu Thr Trp Pro
65 70 75 80

Xaa Ile Asp Tyr Gly Arg Leu Gly Val Asn Ser Ile Pro Thr Ile Lys
85 90 95

Val Ile Ser Gln Ser Pro Leu Xaa Gln Ala Thr Val Met Ser Ser Xaa
100 105 110

Xaa Phe Gly Gly Ile Ala His Thr Xaa Xaa Thr Glu Xaa Xaa Arg Asn
115 120 125

Asp Thr Asn Met Ser Gln Ser Phe Xaa Gly Asn Leu Asp Pro Trp Asn
130 135 140

Val Phe Ser Xaa Trp
145

<210> 1457

<211> 140

<212> PRT

<213> Homo sapiens

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<400> 1457

Glu Ala Ala Ala Leu Gly Leu Ser Gln Pro Ser Gly Cys Trp Cys Cys

1

5

10

15

His Pro Pro Ala Leu Ser Leu Trp His Phe Pro Pro Leu Arg Pro Trp

20

25

30

Arg Ala Leu Pro Val Gly Leu Ala Ala Pro Gln Asn Leu Gly Pro Ser

35

40

45

Ser Ser Ile Gly Phe Ser Pro Gly Phe His Leu Leu Pro Arg Ala Gln

50

55

60

Pro Leu Thr Cys Phe Ile Gly His Ser Gly Cys Ser Leu Thr Gln Trp

65

70

75

80

Leu Val Gly Arg Gly Val Thr Glu Gly Ser Gln Gly Pro Val Gly Val

85

90

95

Pro Gly Gln Lys Asn Trp Leu Gln Leu Pro Val Trp Ser Arg Val Phe

100

105

110

Arg Val Asn Val Xaa Asn Phe Lys Gly His Ser Xaa Asn Gln Leu Gly

115

120

125

Val Lys Ser Leu Arg Met Xaa Asn Leu Xaa Gly Arg

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135

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<210> 1458

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<212> PRT

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<400> 1458

Pro	Pro	Arg	Cys	Ser	Arg	Ser	Xaa	Thr	Ser	Xaa	Xaa	Pro	Gly	Cys	Arg
1				5					10					15	

Asn	Ser	Ala	Arg	Ala	Cys	Lys	Thr	Ala	Gly	Cys	Thr	Ala	Ser	Ser	Lys
			20					25					30		

Pro	Arg	Xaa	Ser	Glu	Gln	Ile	Leu	Arg
			35				40	

<210> 1459

<211> 56

<212> PRT

<213> Homo sapiens

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<400> 1459

Arg	Val	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Leu	Asp	Gly	Ile	Phe	Asn	Leu
1				5					10					15	

Phe Ile Met Phe Val Ser Tyr Arg His Leu Cys Phe Xaa Gln Gln Phe
20 25 30

Ile Ile Val Thr Ser His Thr Ser Xaa Ile Thr Thr Glu Arg Thr Leu
35 40 45

Lys Tyr Lys Glu Arg Leu Gln Lys
50 55

<210> 1460

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1460

Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser Pro Lys
1 5 10 15

Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu Ser Lys
20 25 30

Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu Arg Lys
35 40 45

Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1461

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Cys Leu Pro Ala Leu His Pro Lys Ala His Leu Leu Pro Pro Leu His
20 25 30

Leu Arg Xaa Lys Thr Leu Gln Thr Ala Asp Thr Arg Lys Xaa Asn Ser
35 40 45
Gln Leu Cys Leu Met Leu Leu Val Ser Ser Thr Ser Xaa Gln Asn Arg
50 55 60
Tyr His Ala Glu Phe Arg Gly Pro Cys Xaa Ser Lys Ser Leu Leu Phe
65 70 75 80

<210> 1464

<211> 81

<212> PRT

<213> Homo sapiens

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<400> 1464

Val Phe Leu Cys Leu Cys Ala Ser Ala Met Xaa Lys Asn Thr Arg Gln

1

5

10

15

Thr Thr Met Arg Ile Asn Xaa Xaa Asp Ala Leu Cys Thr Pro His Ser
 20 25 30
 His Glu Pro Lys Lys Ile Phe Xaa Xaa Phe Leu Met Lys Glu Lys Xaa
 35 40 45
 Cys Pro Leu Trp Xaa Leu Pro Pro Xaa Phe Xaa Xaa Xaa Ile Leu Phe
 50 55 60
 Xaa Leu Pro Pro Pro Lys Asn Pro Xaa Xaa Xaa Cys Phe Leu Ala Xaa
 65 70 75 80
 Pro

<210> 1465

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1465

Ile Gln Leu Gly Glu Pro Ala Gly Leu Val Arg Gln Xaa Leu Gly Leu
 1 5 10 15

Cys Gln Gln Gln Glu Val Lys Arg Xaa Thr Leu Pro Pro Ser Pro Pro
 20 25 30

Xaa Xaa

<210> 1466
<211> 151
<212> PRT
<213> Homo sapiens

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<400> 1466

Thr	Val	Leu	Pro	Xaa	Met	Xaa	Ser	Pro	Met	Gly	His	Pro	Xaa	Xaa	Phe
1				5					10					15	

Pro	Lys	Pro	Pro	Xaa	Lys	His	Thr	Trp	Ser	Gln	Ser	Leu	Leu	Pro	Pro
		20						25					30		

Ala	Leu	Pro	Leu	Asn	Trp	Lys	Gln	Xaa	Cys	Ala	Arg	Trp	Xaa	Gly	Leu
		35					40						45		

Pro	Gly	Arg	Gln	Pro	Leu	Pro	Xaa	Ser	Xaa	Ala	Lys	Pro	Xaa	Ala	Xaa
	50					55						60			

Glu	Arg	Leu	Leu	Leu	Arg	Cys	Pro	Cys	Pro	Gly	Leu	Leu	Thr	Leu	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65		70		75		80									
Thr	Xaa	Thr	Tyr	Xaa	Ala	Leu	Gly	Leu	Gln	Pro	Xaa	Pro	Xaa	Leu	His
				85					90					95	
Xaa	Cys	Trp	Pro	Xaa	Arg	Leu	Leu	Xaa	Xaa	Ser	Ile	Asp	Leu	Val	Xaa
			100					105					110		
Xaa	Lys	Ser	His	Trp	Xaa	Ser	Trp	His	Trp	Arg	Val	Leu	Val	Xaa	Gly
		115					120					125			
Leu	Xaa	Ser	Glu	Ala	Cys	Xaa	Arg	Val	Ser	Leu	Asn	Ser	Xaa	Met	His
	130					135					140				
Ala	Leu	Gly	Leu	Ser	Cys	Ser									
145					150										

<210> 1467

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1467

Gly Asn Leu Xaa Gly Gly Cys Gln Asn Leu Asn Lys Lys Met Ala Pro

1 5 10 15
Thr Xaa His Ser Gln Thr Pro Leu Trp Xaa Leu Ala Leu Lys Xaa Lys
 20 25 30

Xaa Arg

<210> 1468
<211> 40
<212> PRT
<213> Homo sapiens

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<400> 1468
His Val Leu Met Leu Ala Ala Asp Leu Asn Thr Leu Lys Val Leu Cys
1 5 10 15

Arg Lys Lys Lys Xaa Xaa Arg Ala Ala Ala Leu Glu Asp Pro Ser Leu
 20 25 30

Arg Thr Arg Ala Cys Asp Xaa Ile
 35 40

<210> 1469
<211> 30
<212> PRT
<213> Homo sapiens

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<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1469

Ala	Leu	Cys	Phe	Lys	Arg	Leu	Thr	Gly	Asn	Tyr	Ile	Trp	Xaa	Thr	Phe
1				5				10					15		

Xaa	Ala	Leu	Thr	Leu	Lys	Xaa	Leu	Lys	Ile	Gln	Val	Asp	Lys
			20				25					30	

<210> 1470

<211> 87

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1470

Thr Ser Pro Ser Arg Lys Cys Glu Glu Pro Gln Ala His Xaa Cys Ser
 1 5 10 15
 Ser Ala Pro Ser Leu Thr Phe Ser Pro Gly Gln Val Cys Ile Cys Ser
 20 25 30
 Leu His Trp His Phe Tyr Phe Gln Pro Leu Gly Ser Cys Phe Cys Leu
 35 40 45
 Leu Leu Arg Asn Leu Ser Pro Trp Gly Ser Phe Thr Thr Pro Ser Asn
 50 55 60
 Ile Gly Ser Gln Arg Xaa Thr Arg Glu Gly Xaa Phe Pro Arg Xaa Gly
 65 70 75 80
 Pro Asn Phe Xaa Arg Glu Phe
 85

<210> 1471

<211> 65

<212> PRT

<213> Homo sapiens

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<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1471

Gly Ala Glu Asp Gly Gly Cys Ser Ile Cys Val Val Leu Leu Ser Thr
 1 5 10 15
 Leu Leu Cys Leu Ala Pro Asp Ser Ala Leu Cys Ser Leu Ala Gln Gln
 20 25 30
 Leu Cys Leu His Ile Ile Phe Met Val Leu Leu Cys Asn Ser Xaa Leu
 35 40 45
 Arg Trp Val Ala Thr Val Gln Ile Phe Ile Thr Leu Phe Arg Leu Ser
 50 55 60
 Glu
 65

<210> 1472

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1472

Thr Pro Ile Asn Leu Thr Thr Ser Cys Ser Ala Tyr Ile Pro Pro Ser
1 5 10 15

Ser Ala Asn Pro Asp Glu Gly Tyr Lys Val Ser Ala Ser Thr His Val
20 25 30

Lys Thr Leu Gly Gln Gly Val Ala His Glu Val Ala Arg Asn Gly Leu
35 40 45

His Phe Leu Pro Gln Lys Thr Thr Ile Ala Leu Met Lys Leu Lys Gly
50 55 60

Arg Arg Trp Ile
65

<210> 1473

<211> 132

<212> PRT

<213> Homo sapiens

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<400> 1473

Xaa Gly Gly Gly Gly Glu Xaa Phe Phe Xaa Pro Pro Ser Arg Gly Gly
1 5 10 15

Xaa Leu Xaa Phe Gly Val Asn Lys Pro Leu Pro Pro Gly Xaa Pro Arg
20 25 30

Gly Ser Pro Gly Lys Xaa Phe Xaa Pro Gly Gly Phe Arg Xaa Xaa Leu

35 40 45
 Ile Ala Xaa Xaa Pro Gly Xaa Phe Xaa Pro Lys Lys Asn Lys Xaa Xaa
 50 55 60
 Phe Pro Phe Xaa Pro Xaa Leu Thr Trp Ala Ala Phe Ala Gln Lys Gly
 65 70 75 80
 Phe Gly Gly Gly Xaa Lys Gly Gln Xaa Pro Leu Xaa Leu Glu Thr Gly
 85 90 95
 Glu Lys Leu Gln Leu Trp His Xaa Ala Leu Xaa Val Val Pro Thr Cys
 100 105 110
 Lys Arg Gly Gln Xaa Gly Gly Asn Leu Asn Leu Pro Ser Lys Lys Lys
 115 120 125
 Leu Ala Lys Tyr
 130

<210> 1474

<211> 32

<212> PRT

<213> Homo sapiens

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<400> 1474

Ile Ile Met Ala Lys Lys Ser Ser Leu Arg Asn Lys Val Pro Phe Ser
 1 5 10 15

Glu Lys Lys Lys Lys Lys Lys Lys Xaa Gly Gly Pro Phe Xaa Xaa Thr
 20 25 30

<210> 1475

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1475

Tyr Val Ala Leu Leu Asn Ile Thr Leu Arg Thr Arg Arg Leu Glu Thr
1 5 10 15

Thr Asn Pro Asn Tyr Val Ile Gly Lys Cys Arg Ile Lys Arg Pro Met
20 25 30

Tyr Ile Ser Thr Asp His Trp Ala Ile Met Leu Leu Leu Arg Leu Tyr
35 40 45

Ala Val Leu
50

<210> 1476

<211> 70

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1476

Thr Phe Leu Ser Gly Gly Glu Val Val Asn Gly Gly Gly Cys Ala Cys
1 5 10 15

Val Xaa Ala Arg Val Ile Trp Glu Phe Ser Val Pro Ser Val Gln Phe
20 25 30

Cys Tyr Glu Pro Lys Thr Ala Leu Lys Asn Asn Leu Cys Phe Lys Lys

35 40 45
 Val Xaa Val Leu Tyr Xaa Leu Leu Leu Glu Ile Phe Val Ala Ile Phe
 50 55 60
 Thr Trp Lys Asn Thr Gly
 65 70

<210> 1477
 <211> 90
 <212> PRT
 <213> Homo sapiens

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<400> 1477
 His Arg Thr Pro Val Pro Ala Arg Gly Gly Ala Arg Ala Leu Pro Arg
 1 5 10 15

Ala Arg Gly Ala Trp Arg Gly Gly Arg Pro Ala Gly Gly Asp Arg Arg
 20 25 30

Gly Thr Gly Tyr Pro Arg Pro Thr Glu Ala Pro Arg Arg Cys Arg Ile
 35 40 45

Val Pro Pro Gly Xaa Asp Ser Asp Leu Glu Ala Phe Ser His Asn Pro
 50 55 60

Thr Asp Gly Ser Phe Ala Pro Leu Ala Pro Gln Xaa Ser Thr Tyr Thr
 65 70 75 80

Lys Cys Leu Asn Leu Arg Xaa Leu Ser Tyr
 85 90

<210> 1478

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1478

Ile Pro Asn Ile Leu Phe Asn Met Ile Lys Leu Ile Leu Asn Glu Ile
1 5 10 15

Leu Cys Cys Ser Leu Val Asn Leu Ser Phe Val Ile Leu Leu Val Cys
20 25 30

Leu Ser Cys Glu Gly Leu Gln Ser Asp Met Pro Ile Phe His Ser Gln
35 40 45

Ser Asn Tyr Lys Arg Ile Val Thr Ile Thr Gln Leu Cys Gln Glu Ile
50 55 60

Phe Phe Asn Ser Leu Arg
65 70

<210> 1479

<211> 59

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1479

Pro Val Pro Pro Ser Ser Ser Ala Arg Xaa Gly Gly Gly Gly Xaa Arg
1 5 10 15

Arg Gly Arg Gly Xaa Val Pro Pro Ala Gly Xaa Ala Pro Gly Ala Xaa
20 25 30

Val Pro Ala Ala Pro Arg Leu Gly Arg Arg Leu Xaa Ala Asp Leu Glu
35 40 45

Leu Val Arg Xaa Arg Gly Ile Arg Leu Phe Asn
50 55

<210> 1480

<211> 99

<212> PRT

<213> Homo sapiens

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<400> 1480

Leu	His	Pro	Arg	Pro	Gly	Leu	Asp	Val	Met	Gly	Cys	Gly	Pro	Leu	Pro
1				5					10					15	

Ala	Glu	Pro	Ile	Xaa	Arg	Gln	Val	Arg	Ala	Ala	Leu	Gln	Thr	Phe	Ala
			20					25					30		

His	Leu	Xaa	Ala	Ser	Xaa	Pro	Lys	Val	Pro	Gly	Gln	Pro	Glu	Ala	Pro
		35					40					45			

Arg	Pro	Gln	Pro	Arg	Xaa	Pro	Gln	Xaa	Phe	Glu	Ser	Gly	Ala	His	Ser
	50					55					60				

Arg	Ser	Pro	Leu	Ala	Leu	Pro	Thr	Pro	Ala	Arg	Xaa	Gly	Gly	Xaa	Ser
65					70					75					80

Cys	Pro	Arg	Xaa	Arg	Xaa	Ala	Pro	Glu	Asn	Xaa	Thr	Pro	Pro	Leu	Arg
				85						90					95

Arg Thr Asn

<210> 1481

<211> 41

<212> PRT

<213> Homo sapiens

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<400> 1481

Ser	Pro	Ser	Leu	Ile	Arg	Xaa	Pro	Ile	Gly	Lys	Ala	Glu	Xaa	Ala	Cys
1				5					10					15	

Arg	Tyr	Arg	Val	Arg	Glu	Phe	Pro	Gly	Arg	Pro	Thr	Arg	Pro	Ile	Thr
			20					25						30	

Ser	Cys	Arg	Pro	Pro	Asn	Ile	Asn	Leu
		35					40	

<210> 1482

<211> 99

<212> PRT

<213> Homo sapiens

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<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1482

Pro Arg Xaa Arg Glu Ile Pro Gly Gly Arg Thr His Ala Phe Arg Glu
 1 5 10 15

Lys Ala Cys Xaa Lys Gln Gly Glu Xaa Arg Xaa Glu Lys Gly Gly Leu
 20 25 30

Val Ile Ser Lys Ser Leu Glu Arg Trp Glu Trp Thr Lys Lys Met Gly
 35 40 45

Thr Pro Pro Leu Phe Gln Ala Trp Glu Gly Val Leu Asn Gly Arg Asp
 50 55 60

Phe Leu Phe Pro Ala Thr Lys Arg Leu Phe Thr Thr Tyr Pro Val Lys
 65 70 75 80

Ser Lys Phe Ile Phe Gln Glu Phe Asn Met Tyr Phe Ser Trp Xaa Tyr
 85 90 95

Leu Cys Gln

<210> 1483

<211> 49

<212> PRT

<213> Homo sapiens

<400> 1483

Cys Asn Ser Val Ser Phe Arg Phe Leu Ser Cys Phe Cys Lys Leu Trp
 1 5 10 15

Glu Arg Leu Thr Met Gln Met Cys Gln Arg His Thr Val Gly Cys Asn
 20 25 30

Ile Asn Asn Phe Lys Cys Lys Phe Leu Trp Ile Asn Tyr Phe Tyr Ile
 35 40 45

Leu

<210> 1484

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1484

Cys Lys Gln Tyr Leu Thr Asn Pro Gln Val Leu Asn Tyr Gln Thr Cys
1 5 10 15

Ile Lys Asn Phe Gly Trp Gly Asp Leu Gly Ala Glu Pro Asn Leu Arg
20 25 30

Ala Val His Ala Lys Thr Ser Pro Val Lys Ala Asn Tyr Tyr Thr Gln
35 40 45

Leu Ile Gln
50

<210> 1485

<211> 22

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1485

Leu Ser Leu Leu His Glu Xaa Pro His Val Gly Xaa Xaa Xaa Phe Asp
 1 5 10 15

Ile Leu Val Pro Arg Xaa
 20

<210> 1486

<211> 126

<212> PRT

<213> Homo sapiens

<220>

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<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1486

Glu Gln Thr Cys Phe Leu Asn Leu Val Ile Phe Val Lys Asn Cys Leu
 1 5 10 15

Asp Ser Phe Ser His Gln Arg Glu Ser Thr Ser Ser Glu Ser Ala Ser
 20 25 30

Ala Pro Cys Ser Leu Leu Leu Arg Gly Arg Val Thr Ser His Trp Gln
 35 40 45

Ala Ser Gly Ile Val Cys Glu Ala Leu Gln Arg Ala Ala Pro Gly Ser
 50 55 60

Cys Leu Tyr Lys Asn Ile Leu Leu Pro Ala Ala Leu Ser Leu Ala Leu
 65 70 75 80

His Phe Gly His Asp Ile Arg Cys Val Phe Ile Gln Leu Val Val Lys
 85 90 95

Met Leu Leu Leu Asn Gly Ser Ala Tyr Leu Cys Leu His Gly Leu Xaa
 100 105 110

Glu Val Gly Phe His Gly His Ser Val Ser Thr Asp Leu Glu
 115 120 125

<210> 1487

<211> 51

<212> PRT

<213> Homo sapiens

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<400> 1487

Val	Glu	Ala	Thr	Asn	Leu	Pro	Glu	Pro	Gly	Asp	Ser	Trp	Xaa	Val	Gln
1				5					10					15	

Asp	Lys	Asn	Leu	Ser	Ser	Thr	Phe	Lys	Phe	Trp	Pro	Thr	Xaa	Pro	Xaa
			20					25					30		

Lys	Phe	Pro	Trp	Xaa	Ile	Asn	Arg	Xaa	Val	Gln	Glu	Gly	Pro	Gly	Xaa
		35					40					45			

Gly	Thr	Pro
		50

<210> 1488

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1488

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser
35

<210> 1489

<211> 26

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<400> 1489

Gly Gly Met Arg Xaa Ser His Leu Gln Leu Leu Ser Xaa Glu Arg Thr
1 5 10 15

Leu Gly Thr Glu Lys Asn Arg Gly Xaa Xaa
20 25

<210> 1490

<211> 39

<212> PRT

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Ser Phe Leu Ile Xaa Ser Phe Xaa Ile Lys Arg Xaa Arg Asn Leu Met
1 5 10 15
Thr Gly Arg His Ser Phe Lys Thr Tyr Ser Gln Xaa Pro Ile Thr Ala
20 25 30
Gln Asn Xaa Ile Xaa Cys Leu
35

<210> 1491
<211> 55
<212> PRT
<213> Homo sapiens

<400> 1491
Thr Leu Ala Tyr Phe Val Ile Asp Tyr Lys Gln Ile Glu Glu Ile Thr
1 5 10 15

Ile Ser His Phe Cys Ile Phe Ser Lys Ile Ile Leu Leu Gln Ser Ser
20 25 30

Ile Tyr Cys Val Pro Leu Ile Phe Tyr Cys Glu Ser Lys Glu Phe His
35 40 45

Gln Asn Ile Leu Asn Tyr Glu
50 55

<210> 1492

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1492

Glu Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1 5 10 15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
20 25 30

Ser Lys Ile Glu Ser
35

<210> 1493

<211> 58

<212> PRT

<213> Homo sapiens

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<400> 1493

Ile Cys Pro Xaa Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
1 5 10 15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu
20 25 30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu
35 40 45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr
50 55

<210> 1494
<211> 95
<212> PRT
<213> Homo sapiens

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<400> 1494
Glu Ser Trp Leu Cys Ser Gly Gly Gly Met Gln Gly His Leu Leu Lys
1 5 10 15
Glu Gly His Gly Gln Asn Asn Ile Glu Phe Pro Ala Pro Leu Gly Ser
20 25 30
Asp Leu Leu Asp Thr Glu Pro Pro Phe Lys Met Gly Gln Gly Lys Gly
35 40 45
Gly Ser Val Gln Ser Pro Asp Leu Glu Leu Pro Glu Ala Ile Ala Ala
50 55 60
Leu Phe Thr Ser Lys Gly Pro Val Leu Arg Leu Phe Val Leu Ile Tyr
65 70 75 80
Phe Lys Leu Gly Lys Ala Gly Gly Arg Val Xaa Pro Xaa Xaa Xaa
85 90 95

<210> 1495
<211> 67

<212> PRT
<213> Homo sapiens

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<400> 1495
Leu Ala Pro Gln Ala Gly Val Pro Pro His Ser Ala Pro Arg Pro Xaa
1 5 10 15

Ser Xaa Leu Ser Xaa Xaa Pro Gly Pro Ala Pro Val Pro Pro Arg Pro
20 25 30

Arg Ser Ala Gly Pro Pro Trp Ser Ala Gly Leu Asp Arg Xaa Gly Gly
35 40 45

Ala Trp Leu Leu Val Ala Xaa Arg Ala Leu Xaa Gln Xaa Leu Ser Ser
50 55 60

Asp Leu Xaa
65

<210> 1496

<211> 76

<212> PRT

<213> Homo sapiens

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<400> 1496
Glu Asn Pro Ser Lys Val Asn Ser Pro Ala Leu Gly Xaa Xaa Ser Xaa
1 5 10 15
Ala Ser Trp Arg Leu Xaa Val Xaa Leu Ile Ser Gly Asn Pro Xaa Gln
20 25 30
Ile Cys Ser Tyr Xaa Ser Arg Arg Xaa Ile Gly Ser Val Tyr Cys Asp
35 40 45
Gly Asn Xaa Asn Val Thr Val Lys Arg Phe Ala Phe Cys Gly Leu Gly
50 55 60
Arg Ala Xaa Asn Phe Leu Leu Arg Leu Ser Leu His
65 70 75

<210> 1497
<211> 103
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1497

Leu Pro Arg Cys Ala Pro Gly Ser Gln Ala Pro Pro Glu Gly Pro Trp
1 5 10 15

Pro Arg Arg Ile Arg Arg Val Arg Pro Gly Pro Arg Val Arg Gln Pro
20 25 30

Arg Arg Pro Ser Ala Ser Leu Arg Pro Ser Arg Ala Arg Pro Gly Arg
35 40 45

Ser Xaa Phe Pro Arg Pro Pro Pro Xaa Arg Leu Pro Ala Ala Ser Arg
50 55 60

Val Gly Ala Xaa Arg Gly Leu Xaa Pro Leu Leu Lys Phe Glu Ser Xaa
65 70 75 80

Asn Gln Xaa Val Arg Asn Pro Glu Ile Pro Asp Pro Leu Arg Lys Met
85 90 95

Phe Ser Xaa Glu Gly Glu Arg
100

<210> 1498

<211> 32
<212> PRT
<213> Homo sapiens

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<400> 1498
Gly Arg Xaa Gly Gly Arg Ala Gly Gly His Glu Ala Arg Ala Ala Xaa
1 5 10 15
Ala Gly Gly Val Gly Arg Arg Ala Arg Gly Gly Gly Arg Xaa Gly Met
20 25 30

<210> 1499
<211> 69
<212> PRT
<213> Homo sapiens

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<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1499

Val Ser His Leu Leu Ala Gly Phe Cys Val Trp Val Val Leu Xaa Trp
1 5 10 15

Val Gly Gly Ser Val Pro Asn Leu Gly Pro Ala Glu Gln Xaa Gln Asn
20 25 30

His Tyr Leu Pro Ser Cys Leu Ala Val Arg Arg Glu Trp Xaa Ala Asp
35 40 45

Cys Lys Gly Leu Gly Ala Val Phe His Asn Leu Xaa Leu Xaa Gln Val
50 55 60

Gln Gly Leu Xaa Leu
65

<210> 1500

<211> 109

<212> PRT

<213> Homo sapiens

<220>

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<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1500

Asn His Glu Arg Asn Lys Lys Glu Thr Lys Gln Lys Arg Asn Glu Lys
1 5 10 15

Asp Ile Met Met Ser Ser Lys Pro Thr Ser His Ala Glu Val Asn Glu
20 25 30

Thr Ile Pro Asn Pro Tyr Pro Pro Ser Ser Phe Met Ala Pro Gly Phe

	35		40		45										
Gln	Gln	Pro	Leu	Gly	Ser	Ile	Asn	Leu	Glu	Asn	Gln	Ala	Gln	Gly	Ala
	50					55					60				
Gln	Arg	Ala	Gln	Pro	Tyr	Gly	Ile	Thr	Ser	Pro	Gly	Ile	Phe	Ala	Ser
65					70				75					80	
Ser	Gln	Pro	Gly	Gln	Gly	Asn	Ile	Xaa	Met	Ile	Asn	Pro	Ser	Val	Gly
			85					90						95	
Thr	Ala	Val	Met	Asn	Phe	Lys	Arg	Lys	Lys	Gln	Arg	His			
		100						105							

<210> 1501

<211> 71

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1501

Val	Asp	Glu	Gly	Gly	Tyr	Trp	Gly	Trp	Leu	Xaa	Xaa	Lys	Ile	Met	Glu
1				5					10					15	

Asn His Phe Ser Ile His Leu Pro Ile Leu Asn Leu Xaa Asn Lys Val

20	25	30
Ile Tyr Cys Lys Val Leu Cys Pro Leu Lys Glu Val Leu Lys Arg Val		
35	40	45
Arg Met Asp Leu Lys Lys Asn Xaa Asn Leu Glu Xaa Phe Lys Met Val		
50	55	60
Phe Val Gly Arg Phe Leu Leu		
65	70	

<210> 1502

<211> 52

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1502

Val Pro Leu Gln Val Pro Val Arg Asn Ser Arg Val Xaa Pro Arg Val
1 5 10 15

Arg Xaa Xaa Ser Asn Val Cys Gln Asn Ser Gln Phe Xaa Ala Ser Lys
20 25 30

Ser Xaa Tyr Ile Glu Ser Ala Xaa Phe Leu Phe Phe Leu Phe Phe Phe
35 40 45

Phe Xaa Phe Phe
50

<210> 1503

<211> 34

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1503

Leu Asp Ile Lys Gln Xaa Thr Met His Gln Glu Tyr Lys Xaa Gly Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa Lys Lys
20 25 30

Xaa Lys

<210> 1504
<211> 36
<212> PRT
<213> Homo sapiens

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<400> 1504
Xaa Leu Glu Pro Gln Pro Gly Pro Xaa Arg Pro Xaa Arg Pro Pro Ser
1 5 10 15
Arg Arg Ser Trp Xaa Gln Gly Lys Pro Thr Gly Xaa Glu Arg Glu Ala
20 25 30
Ala Ala Arg Ser
35

<210> 1505
<211> 55
<212> PRT
<213> Homo sapiens

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<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1505

Ala Val Xaa Phe Asn Phe Leu Ser Ala Ala Ser Cys Val His Phe Leu
1 5 10 15

Leu Lys Val Ile Gly Phe Cys Leu Ser Ser Lys His Lys Asn Leu Lys
20 25 30

Gly Val Leu Gln Ile Phe Cys Ala Xaa Arg Trp Leu Phe Pro Ser Gly
35 40 45

Ser Xaa Phe Leu Asn Asn Asn
50 55

<210> 1506

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1506

Ile Cys Ile Val Pro Pro Pro Val Ser Leu Ile Arg Met Thr Cys Ala
1 5 10 15

Ile Phe Gln Arg Thr Cys Arg Gln Ala Gly Ile Leu Asp Tyr Phe Ser
20 25 30

Tyr Ser Glu Thr Trp Pro Val Trp Glu Cys Gly Ile Gln Arg Trp Ser
35 40 45

His Arg Cys Pro Tyr Cys Lys Trp Gln Phe
50 55

<210> 1507

<211> 49

<212> PRT

<213> Homo sapiens

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<400> 1507

Leu	Thr	Xaa	Ile	Xaa	Tyr	Tyr	Arg	Xaa	Ser	Trp	Tyr	Ala	Cys	Arg	Tyr
1				5					10					15	

Arg	Ser	Gly	Ile	Xaa	Gly	Ser	Thr	His	Ala	Ser	Ala	Asp	Ala	Xaa	Val
			20					25						30	

Gly	Gly	Gln	Gly	Lys	Val	Tyr	Ser	Lys	Ser	Xaa	Lys	Pro	Cys	Gln	Leu
		35						40				45			

Lys

<210> 1508

<211> 120

<212> PRT

<213> Homo sapiens

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<400> 1508

Val	Pro	Leu	Pro	Pro	Ser	Leu	Arg	Ser	Pro	Gly	Ser	His	Arg	Arg	His
1				5					10					15	

His	Ala	Ser	Gly	Lys	Pro	Gln	Arg	Gly	Leu	Pro	Ala	Ser	Gln	Pro	Pro
		20						25					30		

Arg	Arg	Ala	Leu	Cys	Pro	Pro	Ala	Arg	Ala	Pro	Thr	Ala	Leu	Gly	Ser
		35						40					45		

Arg	Pro	Ser	Pro	Arg	Pro	Phe	Gly	Pro	Xaa	Gly	Ala	His	Gly	Ser	Asp
	50					55					60				

Gly	Asp	His	Gly	Arg	Arg	Gly	Ser	Arg	Gly	Leu	Gly	Cys	Gly	Thr	Arg
65					70					75					80

His	Gly	Gln	Arg	Pro	Asp	Arg	Ser	Leu	Gln	Arg	Gly	Glu	Leu	Gly	Ala
				85						90					95

Leu Pro Ala Cys Cys Pro Xaa Gly Xaa His Pro Arg Xaa Pro Xaa Ala
100 105 110

Pro Ala Xaa Gly Ala Leu Arg Leu
115 120

<210> 1509

<211> 100

<212> PRT

<213> Homo sapiens

<220>

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<400> 1509

Val Ser Ile Val Ala Ala Gln Met Phe Leu Phe Phe Xaa Val Xaa Leu

1

5

10

15

Xaa Xaa Ile Ser Pro Xaa His Leu Thr Ser Leu Trp Xaa Ile Met Val
20 25 30

Ser Glu Leu Ile Xaa Thr Phe Thr Gln Leu Glu Glu Asn Leu Lys Asp
35 40 45

Glu Xaa Xaa Ser Leu Xaa Xaa Thr Xaa Lys Val Asn Arg Ile Xaa Val
50 55 60

Ser Val Pro Asp Ala Asn Gly Pro Ser Val Gly Glu Xaa Pro Xaa Ser
65 70 75 80

Glu Leu Ile Leu Tyr Leu Ser Ala Xaa Lys Phe Leu Asp Thr Ala Ala
85 90 95

Phe Phe Xaa Thr
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<210> 1510

<211> 48

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1510

Gly Lys Ser Lys Phe Trp Val Glu Val Leu Xaa Ser Met Ser Phe Leu
1 5 10 15

Leu Phe Leu Phe Tyr Leu Lys Xaa Leu Ile Tyr Pro Glu Trp Gln Xaa
20 25 30

Leu Xaa Gln Ala Asp Gly His Asn Leu Xaa Ser Lys Xaa Phe Phe Ile
35 40 45

<210> 1511

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<400> 1511

Val Arg Xaa Ser Phe Leu Cys Thr Val Phe Leu Arg Arg Met Xaa Leu
1 5 10 15

Asp Ser Cys Leu Leu Ser Cys Ser Pro Ser Leu Ile Met Glu Leu Ser
20 25 30

Xaa

<210> 1512

<211> 61

<212> PRT

<213> Homo sapiens

<400> 1512

Lys Leu Val Pro Leu Gln Val Pro Val Arg Asn Ser Arg Ala Lys Tyr
1 5 10 15

Glu Asn Lys Ser Phe Glu Lys Asn Thr Val Cys Lys Ile Cys Ser Phe
20 25 30

Val Glu Val Met Val Leu Cys Phe Tyr Lys Ile Val Pro Thr Pro Phe
35 40 45

Phe Tyr Phe Arg Tyr Phe Ile Ser Thr Ile Ser Ile Asn
50 55 60

<210> 1513

<211> 61

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<213> Homo sapiens

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<400> 1513

Ile Pro Xaa Ser Ser Leu Gly Xaa Tyr Pro Cys Arg Tyr Arg Ser Gly

1

5

10

15

Ile Pro Gly Ser Thr His Ala Ser Val Xaa Leu Arg Cys Gly Ala Pro

20

25

30

Thr Ala Asp Xaa Ala Ala Gly Pro Xaa Arg Ser Ala Ala Xaa Arg Ser

35

40

45

Gln Glu Ala Gly Thr Ser Trp Lys Xaa Arg Pro Ala Arg

50

55

60

<210> 1514

<211> 45

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<400> 1514

Pro Arg Xaa Arg Ala Arg Arg Ala Glu Asp Gly Ile Gly Leu Asp Leu

1

5

10

15

Pro Leu Tyr Pro Ala His Pro Gln Asp Phe His Glu Val Glu Asp Leu

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25

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Ile Lys Thr Ala Ile Gly Asn Thr Leu Val Gln Asp Ile

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<210> 1515

<211> 39

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<400> 1515

Ala	Ser	Ser	Arg	Ser	Arg	Ala	Ala	Ala	Leu	Phe	Phe	Phe	Phe	Phe	Phe
1				5					10					15	

Phe	Phe	Phe	Phe	Phe	Ser	Phe	Ile	Leu	Leu	Phe	Ile	Phe	Pro	Xaa	Tyr
			20					25					30		

Xaa	Asn	Xaa	Gln	Gln	Leu	Xaa
						35

<210> 1516

<211> 66

<212> PRT

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<400> 1516

Thr	Leu	Xaa	Gly	Leu	Pro	His	Gln	Xaa	Gln	His	Xaa	Asp	Arg	Pro	Gln
1				5					10					15	

Ser	Cys	Thr	Phe	Ala	Pro	Lys	Leu	Leu	Phe	Thr	Xaa	Pro	Phe	Asn	Leu
			20					25					30		

Xaa	Ala	Ala	Thr	Thr	Ser	Gln	Gly	Arg	His	Arg	Glu	Gly	Glu	Xaa	Arg
	35						40					45			

Lys	Lys	Ser	Xaa	Ser	Leu	Leu	Ser	Ser	Lys	Thr	Thr	Thr	Asn	Tyr	Thr
	50					55					60				

Gly Phe
65

<210> 1517

<211> 75

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<400> 1517

Arg	Thr	Arg	His	Glu	Lys	Xaa	Gly	Asp	Lys	Ser	Arg	Ile	Asn	Thr	Gly
1				5					10					15	

Cys	Ser	Gln	Phe	Cys	Leu	Leu	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
			20				25						30		

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
		35					40					45			

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys
	50					55					60				

Lys	Lys	Lys	Lys	Gly	Gly	Pro	Val	Xaa	Xaa	Xaa
65					70					75

<210> 1518

<211> 84

<212> PRT

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<400> 1518

Ser Trp Tyr Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr Xaa
1 5 10 15

Ala Ser Xaa Lys Xaa Lys Gly Leu Gln Lys His Ser Phe Leu Cys Cys
20 25 30

Ser Leu Leu Gly Phe Met Gln Arg Gln Phe Cys Val Asn Val Gln Leu
35 40 45

Thr Leu Ile Trp Lys Tyr Glu Asn Gln Ser Ile Leu Val Ile Lys Asn
50 55 60

Phe Phe Thr Ile Val Ile Ile Leu Met Phe Ile Leu Cys Lys Ile Thr
65 70 75 80

His Leu Ile Lys

<210> 1519

<211> 52

<212> PRT

<213> Homo sapiens

<400> 1519

Phe Gln Leu Ser Pro Gly Thr Pro Lys Pro Leu Pro Leu Gly Leu Pro
1 5 10 15

Ser Gln Pro Val Pro Arg Thr Ser Ser Ser Pro Phe Gln Ile Ile Lys
20 25 30

Ser Met Asp Arg Ala Val Ser Glu Val Leu Thr Gln Gly Lys Lys Lys
35 40 45

Lys Lys Lys Lys
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<210> 1520

<211> 45

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<400> 1520
Ile Asn Ile Cys Ser Phe Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Xaa
20 25 30
Gly Gly Arg Phe Lys Gly Xaa Lys Xaa Thr Tyr Xaa Xaa
35 40 45

<210> 1521
<211> 71
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<400> 1521
Xaa Thr His Leu Arg Ser Asp Trp Thr Arg Xaa Ile Ile Leu Arg Ile
1 5 10 15

Ala Asn Xaa Ser Leu Gly Leu Xaa Leu Xaa Val Asp Phe Ser Met Leu

20 25 30
Arg Xaa Xaa Pro Xaa Arg Leu Glu Leu Xaa Leu Asp Asp Xaa Glu Glu
35 40 45
Phe Glu Asn Ile Xaa Lys Asp Leu Glu Thr Arg Lys Lys Gln Lys Glu
50 55 60
Asp Val Glu Val Val Xaa Gly
65 70

<210> 1522

<211> 41

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1522

Ser Glu Lys Val Lys Thr Ala Phe Thr Lys Pro Gly Arg Trp Gly Leu
1 5 10 15

Cys Glu Pro Leu Cys Thr Gly Ser Leu Arg Asp Ser Ala Trp Cys Ser
20 25 30

Arg Xaa Ile Leu Ala Xaa Val Gly Glu
35 40

<210> 1523

<211> 58

<212> PRT

<213> Homo sapiens

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<400> 1523

Gly His Ala Leu Leu His Leu Lys Asn Lys Leu Cys Ser Asn Cys His

1

5

10

15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys

20

25

30

Asn Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys

35

40

45

Lys Lys Lys Xaa Gly Gly Xaa Phe Lys Xaa

50

55

<210> 1524

<211> 24

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1524

Pro Val Leu Thr His Gly Met Pro Pro Ala Ile Arg Pro Xaa Xaa Ser

1

5

10

15

Ser Trp Ser Ser Ser Thr Xaa Thr

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<210> 1525

<211> 35

<212> PRT

<213> Homo sapiens

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<400> 1525

Ser Lys Ser Arg Glu Leu Pro Leu Leu Leu Val Thr Cys Pro Leu Leu
1 5 10 15

Ser Ser Phe Cys Ser Gly Lys Pro Trp Asp Ser Ala Xaa Thr Tyr His
20 25 30

Cys Arg Cys
35

<210> 1526

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1526

Ser Leu Ala Lys His Leu Asn His Leu Ser Ile Leu Ser Trp Phe Ile
1 5 10 15

Ile Ile Lys Ala Gln Asn Asn Leu Leu Leu Glu Asn Met Cys Phe Tyr
20 25 30

Lys

<210> 1527

<211> 85

<212> PRT

<213> Homo sapiens

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<400> 1527

Xaa Gly Xaa Gly Glu Thr Gln Gly Xaa Ala Met Gly Cys Met Val Ala

1

5

10

15

Ser Gly Leu Leu Thr Gly Leu Ala Glu Val Leu Xaa Xaa Leu Xaa Xaa

20

25

30

Thr Xaa Gln Xaa Gly Xaa Xaa Gln Tyr Xaa Xaa Phe Arg Val Xaa Leu

35

40

45

Glu Ser Met Xaa Xaa Leu Xaa Asp Leu Glu Ala Xaa Trp Ala Pro Ser

50

55

60

Pro Xaa Leu Glu Ala Xaa Xaa Leu Leu Ala Ala Val Cys His His Pro

65

70

75

80

Ala Leu Xaa Leu Arg

85

<210> 1528

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1528

Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser

1

5

10

15

Pro Lys Arg Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Glu

20

25

30

Ser Lys Lys Phe Asn Thr His Ser Arg Pro Lys Ser Ser His Gln Leu

35

40

45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr

50

55

<210> 1529

<211> 90

<212> PRT

<213> Homo sapi ns

<400> 1529

Cys Phe Ser Leu Cys Met Gly Gly Thr Ser Ala Val Ser Glu Ser Thr

1 5 10 15
Thr Ile Ser Ser Gly Ala Gly Pro Ser Ala Arg Pro Gln Lys Asn Arg
 20 25 30
Arg Pro Gln Glu Ser Cys Arg Thr Gly Gly Leu Phe Leu Leu Ser Arg
 35 40 45
Glu Ala Gln Gly Met Leu Trp Arg Asp Phe Thr Cys His His Phe Gln
 50 55 60
Val Asn Arg Thr Arg Ala Leu Met Val Phe Lys Pro Cys Trp Lys Lys
 65 70 75 80
Val Pro Met Val Ser Leu Val Leu Pro Val
 85 90

<210> 1530
<211> 62
<212> PRT
<213> Homo sapiens

<400> 1530
Ala Asn Leu Gln Pro Lys Asn Leu Phe Lys Arg His Leu Trp Ser Cys
1 5 10 15
Asp Glu Thr Ser Ser Lys Thr His Ser Lys Thr Pro Leu Pro Pro Val
 20 25 30
Gly His Gln Ser Ala Thr Lys His Glu Gln Ile Leu Leu Leu Ile Gly
 35 40 45
Phe Pro Cys Asp Leu Val Pro Glu Val Phe Gly Ser Val Gln
 50 55 60

<210> 1531
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<400> 1531

Cys	Asn	Ile	Ile	Glu	Met	Lys	Xaa	Ser	Leu	Val	Gly	Thr	Asp	Ser	Leu
1				5				10						15	

Phe	Ile	Xaa	Leu	Gln	Ser	Leu	Arg	Ile	His	Xaa	Xaa	Lys	Xaa	His
			20					25					30	

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<211> 26

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<400> 1532

Ala Val Ser Ala Val Gln Tyr Ser Thr Asp Arg Trp Thr Gln Xaa Xaa
1 5 10 15

Xaa His Xaa Gly Asn Arg His Leu Ser Ser
20 25

<210> 1533

<211> 55

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His Xaa Ser Val Gln Leu Arg Thr Val Xaa Xaa Pro Ala Xaa Val Asn
1 5 10 15

Glu Pro Val Pro Xaa Xaa Ser Xaa Ser Lys Pro Pro Met Ser Ile Ser
20 25 30

Phe Xaa Ala His Leu Asn Thr Cys Xaa Tyr Ile Leu Tyr Ser Xaa Gln
35 40 45

Asn Asn Leu Tyr Leu Ile Xaa
50 55

<210> 1534
<211> 48
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<400> 1534
Gly Thr Leu Val Leu Asn Gln Xaa Ser Xaa Ser Leu Phe Met Tyr Cys
1 5 10 15
Phe Thr Xaa Phe Tyr Ser Tyr Val Lys Phe Trp Ile Asn Xaa Xaa Xaa
20 25 30
Cys Asn Tyr Lys Leu Arg Pro Val Xaa Leu Phe Leu Lys Ala Pro Tyr
35 40 45

<210> 1535
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<212> PRT
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<400> 1535

Met	Gly	Pro	Leu	Ser	Ala	Xaa	Xaa	Cys	Arg	Leu	His	Val	Pro	Trp	Lys
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Glu	Val	Leu	Leu	Thr	Ala	Leu	Leu	Val	Xaa	Xaa	Trp	Asn	Pro	Pro	Thr
		20						25					30		

Thr	Ala	Lys	Leu	Thr	Ile	Glu	Ser	Xaa	Pro	Phe	Xaa	Val	Ala	Xaa	Gly
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Lys	Glu	Val	Leu	Leu
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<210> 1536

<211> 70

<212> PRT

<213> Homo sapiens

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<400> 1536

Xaa Ile Ile Asn Thr Leu Leu Ala Leu Leu Leu Ile Ile Ile Thr Phe
1 5 10 15

Xaa Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu
20 25 30

Cys Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys
35 40 45

Phe Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala
50 55 60

Leu Leu Leu Pro Leu Pro
65 70

<210> 1537

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1537

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
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<210> 1538

<211> 53

<212> PRT

<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1538

Leu Pro Gln Leu Asn Gly Tyr Ile Lys Lys Ser Thr Pro Tyr Xaa Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Xaa Ile Thr Phe Leu Leu Phe Asp Leu Lys Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
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<210> 1539

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1539

Leu Pro Gln Leu Asn Gly Tyr Ile Glu Lys Ser Thr Pro Tyr Glu Cys
1 5 10 15

Gly Phe Asp Pro Ile Ser Pro Ala Arg Val Pro Phe Ser Ile Lys Phe
20 25 30

Phe Leu Val Ala Ile Thr Phe Leu Leu Phe Asp Leu Glu Ile Ala Leu
35 40 45

Leu Leu Pro Leu Pro
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<210> 1540

<211> 57

<212> PRT

<213> Homo sapiens

<400> 1540

Val Cys Phe Lys Gly Leu Tyr Leu Thr Asn Gly Phe Pro Leu Thr Glu
1 5 10 15

Leu Val Phe Ile Ser Asp Leu Thr Pro Leu Leu Asn Gly Ser Ser Gln
 20 25 30

Asp Arg Met Phe Val Thr Thr Val Leu Glu Ile Glu Gln Leu Leu Ala
 35 40 45

Arg Val Gly Val Leu Lys Asp Ser Ile
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<210> 1541

<211> 137

<212> PRT

<213> Homo sapiens

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 1 5 10 15

Ser Tyr Gly Leu Glu Lys Gly Ser Leu Gly Met Pro Ser Glu Val Gly
 20 25 30

Asp Arg Ala Gly Ala Gln Ala Pro Val Arg Asn Gly Arg Tyr Leu Ala
 35 40 45

Ser Cys Gly Ile Leu Met Ser Arg Thr Leu Pro Leu His Thr Ser Ile
 50 55 60

Leu Pro Lys Glu Ile Cys Ala Arg Thr Phe Phe Lys Ile Thr Ala Pro
 65 70 75 80

Leu Ile Asn Lys Arg Lys Xaa Tyr Ser Glu Arg Arg Ile Leu Gly Tyr
 85 90 95

Ser Met Gln Glu Met Tyr Asp Val Val Ser Gly Val Glu Asp Tyr Lys
 100 105 110

His Phe Val Pro Trp Cys Lys Lys Ser Asp Val Ile Ser Lys Arg Ser
 115 120 125

Gly Tyr Cys Lys Thr Arg Leu Glu Ile
 130 135

<210> 1542
<211> 122
<212> PRT
<213> Homo sapiens

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<222> (121)

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Glu Ala Lys Gly Asn Glu Val Arg Pro Ser Gly Arg Val Phe Leu Ser
20 25 30

Ser Ala Ala Leu Arg Leu Thr Cys Thr Phe Ser Ser Gly Xaa Gly Pro
35 40 45

Ser Cys Gln Pro Phe Gln Asn Ile Phe Pro Trp Ile Leu Arg Tyr Leu
50 55 60

Thr Phe Gln Asp Ser Arg Val Leu Ile Ile Xaa Leu Gly Asn Phe Trp
65 70 75 80

Xaa Xaa Trp Thr Gln Ser Xaa Phe Leu Lys Phe Xaa Pro Gln Gly Leu
85 90 95

Pro Ala Leu Gly Gly Ser Lys Val Phe Pro Lys Gly Pro Xaa Xaa Pro
100 105 110

Ala Pro Phe Phe Lys Xaa Arg Ile Xaa Ser
115 120

<210> 1543

<211> 57

<212> PRT

<213> Homo sapiens

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<222> (48)

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<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1543

Tyr Pro Ala Ser Gln Ile Val His His Phe Met Glu Leu Cys Trp Asp
1 5 10 15

Lys Cys Val Glu Lys Pro Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn
20 25 30

Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp Thr Thr Leu Ala Xaa
35 40 45

Thr Gln Ser Val Cys Pro Xaa Leu Xaa
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<210> 1544

<211> 63

<212> PRT

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<222> (22)

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<400> 1544

Gly Gly Ile Ala Xaa Ala Gly Ser Gly His Met Asn Tyr Ile Gln Val
1 5 10 15

Thr Pro Gln Glu Lys Xaa Ala Ile Glu Arg Leu Lys Ala Leu Gly Phe
20 25 30

Pro Glu Gly Leu Val Ile Gln Ala Tyr Phe Ala Cys Glu Lys Asn Glu
35 40 45

Asn Leu Ala Ala Asn Phe Leu Leu Gln Gln Asn Phe Asp Glu Asp
50 55 60

<210> 1545

<211> 124

<212> PRT

<213> Homo sapiens

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<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

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1 5 10 15

Ser Leu Gly Leu Cys Cys Cys Thr Ile Leu Ile Cys Pro Thr Gln Ile
20 25 30

Glu Gly Val Pro Leu Ala Glu Gly Leu Thr Pro Gln Glu Ile Cys Asp
35 40 45

Lys Tyr His Ile Ile His Ala Asp Ile Tyr Arg Trp Phe Asn Ile Ser
50 55 60

Phe Asp Ile Phe Gly Arg Thr Thr Thr Pro Gln Gln Thr Lys Ile Thr
65 70 75 80

Gln Asp Ile Phe Gln Gln Leu Leu Lys Arg Ser Phe Val Leu Gln Asp
85 90 95

Thr Val Xaa Gln Leu Arg Cys Glu His Cys Ala Arg Phe Leu Ala Asp
100 105 110

Arg Phe Arg Gly Arg Arg Val Ser Leu Leu Trp Leu
115 120

<210> 1546

<211> 184

<212> PRT

<213> Homo sapiens

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<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1546

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Lys His Asp Ala Asp Ser Phe Tyr Gln Phe Ser Cys Asn Ile Cys Gly
 20 25 30
 Lys Lys Phe Glu Lys Lys Asp Ser Val Val Ala His Lys Ala Lys Ser
 35 40 45
 His Pro Glu Val Leu Ile Ala Glu Ala Leu Ala Ala Asn Ala Gly Ala
 50 55 60
 Leu Ile Thr Ser Thr Asp Ile Leu Gly Thr Asn Pro Glu Ser Leu Thr
 65 70 75 80
 Gln Pro Ser Asp Gly Gln Gly Leu Pro Leu Leu Pro Glu Pro Leu Gly
 85 90 95
 Asn Ser Thr Ser Gly Glu Cys Leu Leu Leu Glu Ala Glu Gly Met Ser
 100 105 110
 Lys Ser Tyr Cys Ser Gly Thr Glu Arg Val Ser Leu Met Ala Asp Gly
 115 120 125
 Lys Ile Phe Val Gly Ser Gly Ser Ser Gly Gly Thr Glu Gly Leu Val
 130 135 140
 Met Asn Ser Asp Ile Leu Gly Ala Thr Thr Glu Val Leu Ile Glu Asp
 145 150 155 160
 Ser Asp Ser Ala Gly Pro Xaa Trp Thr Gly Arg Leu Gly Ala Trp Asp
 165 170 175
 Ser Ser Asp Phe Val Phe Lys Ser
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<210> 1547

<211> 733

<212> DNA

<213> Homo sapiens

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 tctcccgga ccttgagggt acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
 ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca acccccatcg 360
 agaaaacccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480
 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagAAC aactacaaga 540

ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
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<210> 1548

<211> 5

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<213> Homo sapiens

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<222> (3)

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Trp Ser Xaa Trp Ser

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<210> 1549

<211> 86

<212> DNA

<213> Homo sapiens

<400> 1549

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cccgaatat ctgcatctc aattag 86

<210> 1550

<211> 27

<212> DNA

<213> Homo sapiens

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<210> 1551

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1551

ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60
aaatatctgc catctcaatt agtcagcaac catagtcccc cccctaactc cgcccatccc 120
gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180

ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 1552
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<400> 1552
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<210> 1553
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<212> DNA
<213> Homo sapiens

<400> 1553
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<210> 1554
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<212> DNA
<213> Homo sapiens

<400> 1554
ggggactttc cc 12

<210> 1555
<211> 73
<212> DNA
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<400> 1555
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ccatctcaat tag 73

<210> 1556
<211> 256
<212> DNA
<213> Homo sapiens

<400> 1556
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caattagtca gcaaccatag tcccgccct aactccgcc atcccgcctc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240

cttttgcaaa aagctt

256

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : C12P 21/04; C12N 15/00; C07H 21/02
US CL : 435/70.1, 320.1; 536/23.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/70.1, 320.1; 536/23.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	SCANLAN et al. Characterization of Human Colon Cancer Antigens Recognized by Autologous Antibodies, Int. J. Cancer, 1998, Vol. 76, pages 652-658.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	TANAKA et al. A Novel Variant of Human Grb7 Is Associated with Invasive Esophageal Carcinoma, J. Clin. Invest., August 1998, Vol. 102, No. 4, pages 821-827.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	KISHI et al. Molecular Cloning of Human GRB-7 Co-amplified with CAB1 and c-ERBB-2 in Primary Gastric Cancer, Biochemical and Biophysical Research Communications, 1997, Vol. 232, pages 5-9.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	JIANG et al. Subtraction hybridization identifies a novel melanoma differentiation associated gene, mda-7, modulated during human melanoma differentiation, growth and progression, Oncogenes, 1995, Vol. 11, pages 2477-2486.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	MUELLER et al. Polymerase Chain Reaction Selects a Novel Disintegrin Proteinase from CD40-Activated Germinal Center Dendritic Cells, J. Exp. Med., August 1997, Vol. 186, No. 5, pages 655-663.	1-4, 11-12, 16 ----- 5-10, 14-15

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means.

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

18 May 2000 (18.05.2000)

Date of mailing of the international search report

13 JUN 2000

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

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Serry J. Deyfor

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/05883

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	FOJO et al. Donor Splice Site Mutation in the Apolipoprotein (Apo) C-II Gene (APO C-IIhamburg) of a Patient with APO C-II Deficiency, The Journal of Clinical Investigations, November 1988, Vol. 82, pages 1489-1494.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	JACKSON et al. Isolation of cDNA and Genomic Clones for Apolipoprotein C-II, Methods in Enzymology, 1986, Vol. 128, pages 788-800.	1-4, 11-12, 16 ----- 5-10, 14-15
X --- Y	HILLIER et al. Generation and Analysis of 280,000 Human Expressed Sequence Tags, Genome Research, 1996, Vol. 6, No. 9, pages 807-828.	1-4, 11-12, 16 ----- 5-10, 14-15
Y	WATSON et al. The Science Used in the Recombinant DNA Industry. In: Recombinant DNA, W.H. Freeman and Company, 1983, pages 231-241.	7-10, 14-15

INTERNATIONAL SEARCH REPORT

Intern. application No.

PCT/US00/05883

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claim Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-12,14,15,16,21

Remark on Protest

☐
☐

- The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.